CX-LMN5

SERVICE MANUAL

Ver 1.2 2003.09

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model



CX-LMN5 is the Amplifier, CD player, Tape Deck and Tuner section in XR-MN5.

CD Section	Model Name Using Similar Mechanism	NEW
	CD Mechanism Type	CDM69BV-30CBD64NS
	Base Unit Name	BU-30CBD64NS
	Optical Pick-up Name	A-MAX.3
TAPE Section	Model Name Using Similar Mechanism	NEW
	Tape Transport Mechanism Type	CMAL1Z240A

SPECIFICATIONS

MAIN UNIT CX-LMN5

TUNER

FM tuning range	87.5 MHz to 108 MHz
FM usable sensitivity (IHF)	16.8 dBf
FM antenna terminal	75 Ω (unbalanced)
AM tuning range	531 kHz to 1602 kHz (9 kHz Step) (AEP, UK) 530 kHz to 1710 kHz (10kHz Step) (EXCEPT AEP, UK) 531 kHz to 1710 kHz (9kHz Step) (EXCEPT AEP, UK)
AM usable sensitivity	350 μV/m
AM antenna	Loop antenna

AMPLIFIER

Power output	Rated: 64 W + 64 W (6 Ω, T.H.D. 1 %, 1 kHz/DIN 45500) Reference: 80 W + 80 W (6 Ω, T.H.D. 10 %, 1 kHz/DIN 45324) MUSIC POWER: 220 W + 220 W
Input	AUX IN: 1.4 V
Outputs	SPEAKERS: 6 Ω or more PHONES: 32 Ω or more

CASSETTE DECK

Track format	4 tracks, 2 channels stereo
Frequency response	100 Hz – 10000 Hz
Recording system	AC bias
Heads	Recording/playback × 1, erase × 1

CD PLAYER

Laser	Semiconductor laser (λ = 800 nm) Emission duration: continuous
D/A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Wow and flutter	Unmeasurable

GENERAL

Power requirements	230 V AC, 50/60 Hz (AEP, UK) 120 V AC, 60 Hz (US, CND, TW) 120 V/220 V/230-240 V AC, 50/60 Hz (E) 220 V AC, 50/60 Hz (KR) 110-240 V AC, 50/60 Hz (TH) 220-240 V AC, 50/60 Hz (SP) 240 V AC, 50/60 Hz (AUS, TW)
Power consumption	85 W (EXCEPT US, CND) 80 W (US, CND)

Power consumption in standby mode

with ECO mode on:	0.26 W (EXCEPT E) 0.35W (E) 0.25 W (US,CND) 0.26 W (AEP,UK) 0.26 W(TH,KR) 0.35 W(OTHER)
with ECO mode off:	15 W (EXCEPT E) 18 W(E) 16 W (US,CND) 15 W (AEP,UK) 18 W (TH,KR) 18 W (OTHER)

Dimensions (w/h/d)	Approx. 190 × 277 × 353 mm
Mass	Approx. 6.8 kg
Supplied accessories:	FM antenna (1) AM antenna (1) Speaker cords (2) Remote commander (1) Batteries (2)

Specifications and external appearance are subject to change without notice.

- Abbreviation
  AUS : Australian model.
  CND : Canadian model.
  SP : Singapore model.
  TW : Taiwan model.
  KR : Korean model.
  TH : Thai model.

MICRO HI-FI COMPONENT SYSTEM

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Home Audio Company
Published by Sony Engineering Corporation

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SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

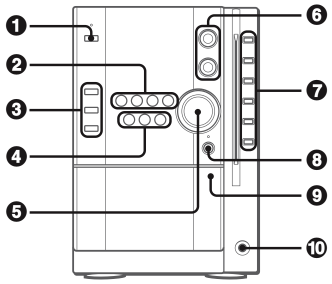
SECTION 2
GENERAL

This section is extracted from instruction manual.

PARTS AND CONTROLS

Main unit: front

Refer to the pages indicated in parentheses for details.



❶ **POWER ⏻STANDBY/ON (8)**
Switches the unit on and off (standby).

❷ **▶II CD (8, 10-12)**
Starts and pauses CD play.

TUNER/BAND (8, 14)
Selects tuner function and the tuner band.

◀▶TAPE (REC MUTING) (8, 17, 19)
Starts playback and changes the playback side.
Also used to enter 4-second blank spaces during recording.

AUX (8)
Selects the function of external equipment connected to AUX IN jacks.

❸ **ECO/RDS (8, 14-16)**
Sets the ECO mode on or off.
Tuner: Activates RDS features.

SYNCHRO REC (18)
Starts recording and CD play simultaneously.

REC START/REC PAUSE (18-20)
Starts and pauses recording.

❹ **■ (10-12, 17, 18, 20)**
CD and Tape: stops playback.
Tuner: clears a preset station.

TUNING ◀◀/I◀◀–, +▶▶I/▶▶ (8,10-12, 14, 17, 21, 22)
CD: skips to a previous or a succeeding track when pressed, searches a track in fast forward or reverse playback when held down.
Tape: rewinds or fast forwards the tape.
Tuner: manually tunes up or down within the band.

❺ **VOLUME (9)**
Adjusts the volume.

❻ **TREBLE (9)**
Adjusts the treble level.

BASS (9)
Adjusts the bass level.

❼ **⏏CD EJECT (10, 12)**
Ejects the disc(s).

CD slot buttons (1-5) (8, 10-12)
Selects a disc slot.
Starts CD play for one desired disc.

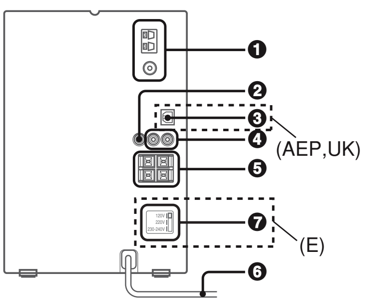
❽ **i-Bass/DEMO (4, 9)**
Produces rich and clear low frequency sound.
Switches DEMO on and off while the unit is turned off.

❾ **PUSH EJECT⏏ (17-19)**
Opens or closes the cassette holder.

❿ **PHONES jack**
Plug in optional headphones set with a stereo mini plug (ø3.5 mm). Speaker output is cancelled.

Main unit: rear

Refer to the pages indicated in parentheses for details.



❶ **AM LOOP jack and FM 75 terminal (4)**
Plug in the supplied AM and FM antennas.

❷ **SUB WOOFER🔈 jack**
Connect optional powered sub woofer with a built-in amplifier to the jack.

❸ **DIGITAL OUT (OPTICAL) jack (AEP, UK)**
CD digital sound signals can be output through this jack.
Use an optical cable to connect digital audio equipment.
Fit an optical cable plug in the DIGITAL OUT (OPTICAL) jack and push it to connect.

❹ **AUX IN jacks**
Accept analogue sound signals from external equipment.
Connect external equipment using an optional connecting cable with RCA phono plugs (red plug to R jack, white plug to L jack). Refer also to the operating instructions for your equipment.
To switch function to external input, press AUX.
To change a source name in the display of the AUX function.
Hold down AUX and press POWER while the power is on.

→ AUX → VIDEO → TV →

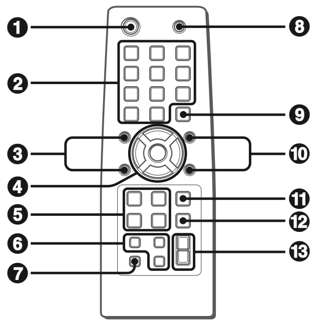
❺ **SPEAKERS🔈 terminals (4)**
Connect the speaker cords of the supplied speakers.

❻ **AC power cord (4)**

❼ **VOLTAGE SELECTOR (E)**
120 V/220 V/230-240 V AC,50/60Hz

Remote commander

Refer to the pages indicated in parentheses for details.



Buttons with the same or similar names on the main unit basically have the same function.

❶ **POWER (8)**

❷ **1–10/0, >10 (10-12, 15, 19, 20)**
CD: selects a track of the specified number.
Tuner: tunes in the station with the specified preset number.

The numbered buttons take on these functions when pressed with SHIFT held down:

CLOCK (8)
Selects clock mode.

TIMER (21, 22)
Selects timer mode.

MUTING (9)
To turn off the sound temporarily.

TUNER MODE (15)
Switches between stereo or monaural FM reception.

REV MODE (17, 18, 22)
Selects a reverse mode.

DISC/ALBUM (12)
Selects disc mode or album mode on an MP3-CD.

CD EDIT/CHECK (19, 20)
Selects edited CD recording.

❸ **SHUFFLE/PROGRAM (11)**
Selects shuffle or programmed CD playback mode.

REPEAT (11)
Selects repeat CD playback mode.

❹ **ALBUM/PRESET∧, ∨ (12, 15)**
MP3-CD:Skips to a previous or succeeding album.
Tuner: Tunes in a preset station.

◀◀/I◀◀,▶▶I/▶▶ (8, 10-12, 14, 17, 21, 22)

ENTER (8, 14, 15, 21, 22)
Determines the mode.
Stores the received station to preset.

❺ **▶II CD (8, 10-12)**

TUNER/BAND (8, 14)

◀▶TAPE (8, 17)

AUX (8)

❻ **DISPLAY (10, 12)**
Changes the display in CD playback mode.

DIMMER (8)
Adjusts the display window brightness.

SLEEP (21)
Selects sleep-timer mode.

❼ **SHIFT**
Hold down when pressing a numbered button to change its function to that printed above the number.

❽ **DISC SELECT (10, 12)**
Selects a desired CD slot.

❾ **CLEAR (11, 15, 21, 22)**
CD: Clears a CD program
Tuner: Clears a preset station.

❿ **i-Bass (9)**

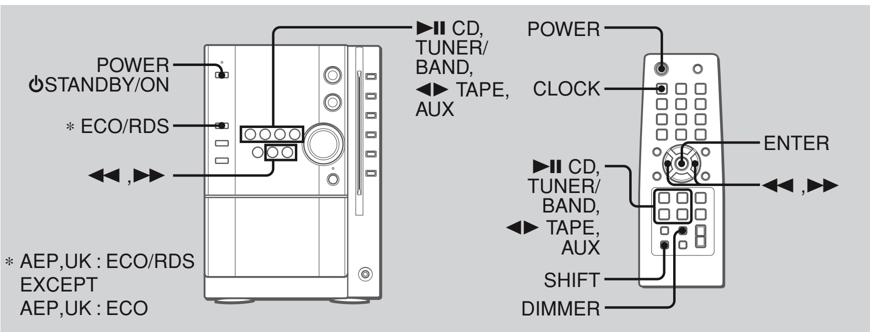
TONE (9)
Selects the bass or treble adjusting mode.

⓫ **■ (10-12, 17, 18, 20)**

⓬ **FUNCTION (18-20)**
Switches the active function among TAPE, TUNER, AUX (VIDEO or TV) and CD.

⓭ **VOLUME +,– (9)**

ADJUSTMENTS BEFORE OPERATION



Power

Turning the unit on
Press POWER ⏻STANDBY/ON (POWER on the remote).
Alternatively, press ◀▶TAPE, TUNER/BAND, AUX, ▶II CD or one of the CD slot buttons (1-5). Playback will start automatically if a disc or tape is loaded.

Turning the unit off
Press POWER ⏻STANDBY/ON again.
The unit goes into standby.

Dimmer

The display window brightness can be selected.

Press DIMMER on the remote.
Each press of the button changes between darker and brighter.

ECO mode

Reduces power consumption in standby mode with the following operations.

Press ECO/RDS. (AEP,UK : ECO/RDS EXCEPT AEP,UK : ECO)
Each press of the button changes the mode as follows;

ECO ON: Power economizing mode is activated.
When the unit turns off, everything on the display clears and only the red indicator above POWER lights to show that the power is being supplied.
ECO OFF: Power economizing mode is cancelled.
When the unit turns off, the clock display appears.

Initial mode is ECO OFF.

Standby power consumption
ECO ON: 0.26 W
ECO OFF: 15 W

Setting the clock

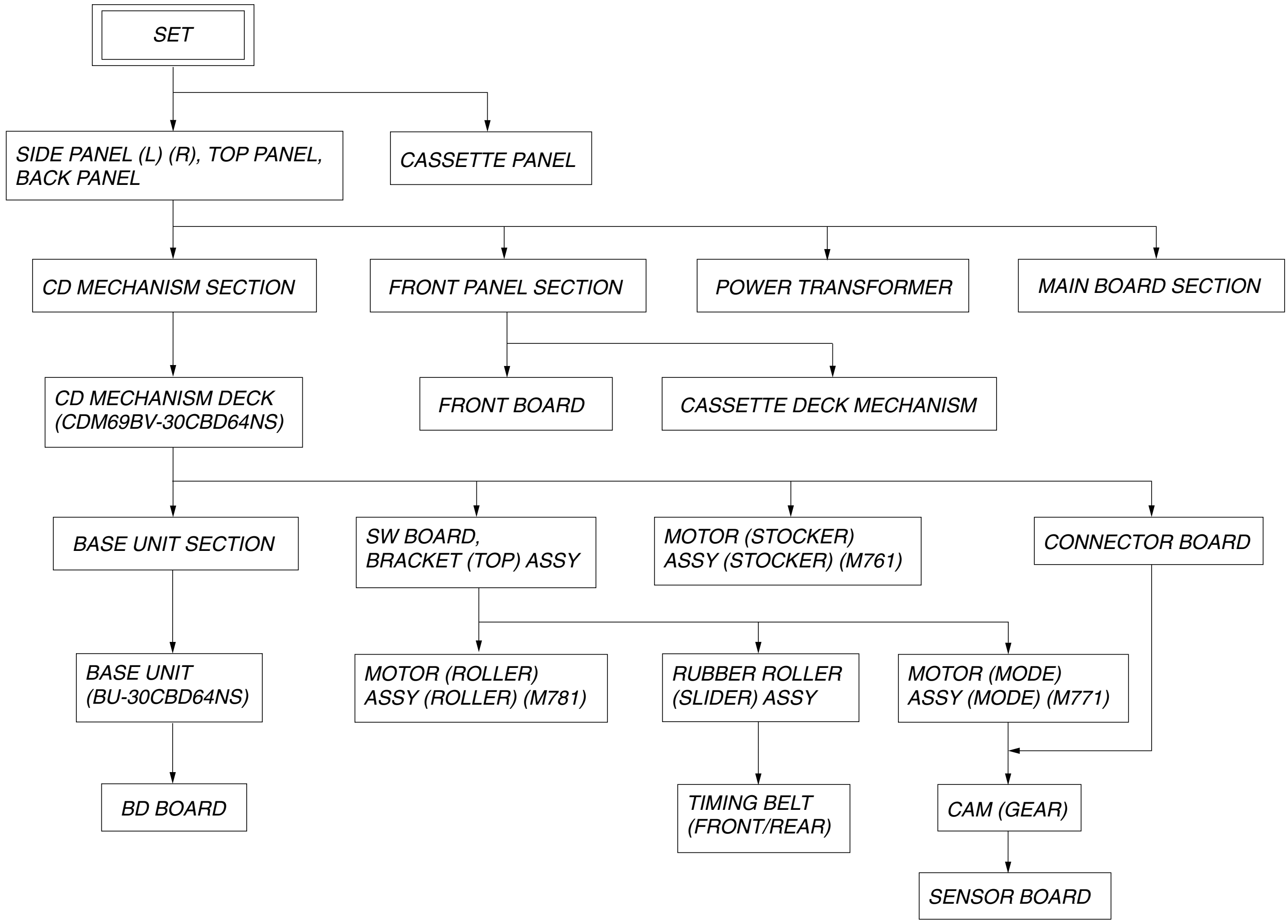
1. In stop mode, hold down SHIFT and press CLOCK on the remote.
Go to step 3 when the hour of the clock display flashes.
2. Within 6 seconds, press ENTER.
The hour flashes in the display.
3. Press ◀◀ or ▶▶ to set the hour, then press ENTER.
4. Press ◀◀ or ▶▶ to set the minute.
Each press changes the time in 1-minute steps.
5. Press ENTER.
The time display stops flashing and the clock starts from 00 seconds.

To display the time while the power is on
Hold down SHIFT and press CLOCK on the remote.
The time will be displayed for 6 seconds.

If "- -:- -" appears when the unit is turned off
There has been a power interruption. Reset the clock.

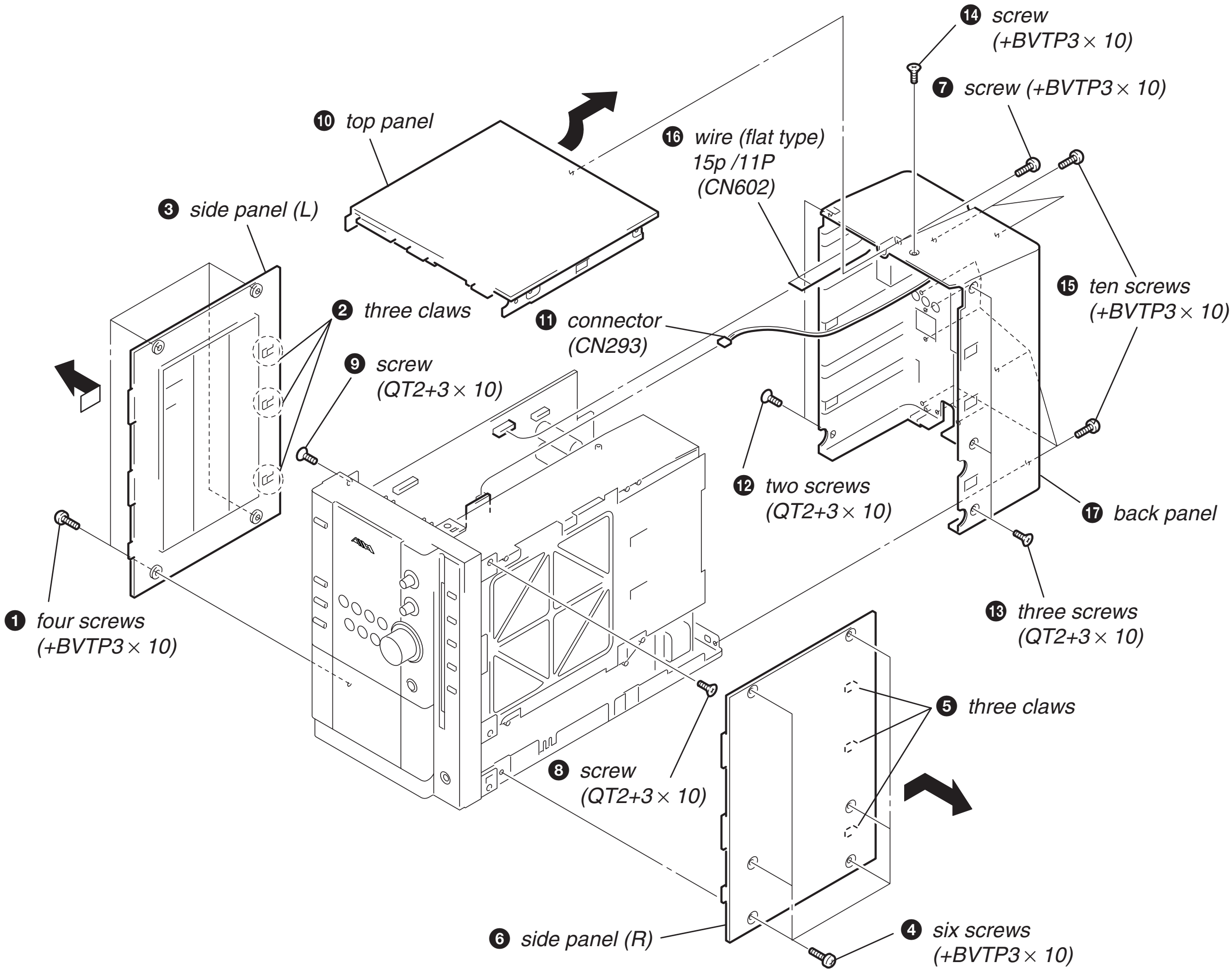
SECTION 3
DISASSEMBLY

• This set can be disassembled in the order shown below.

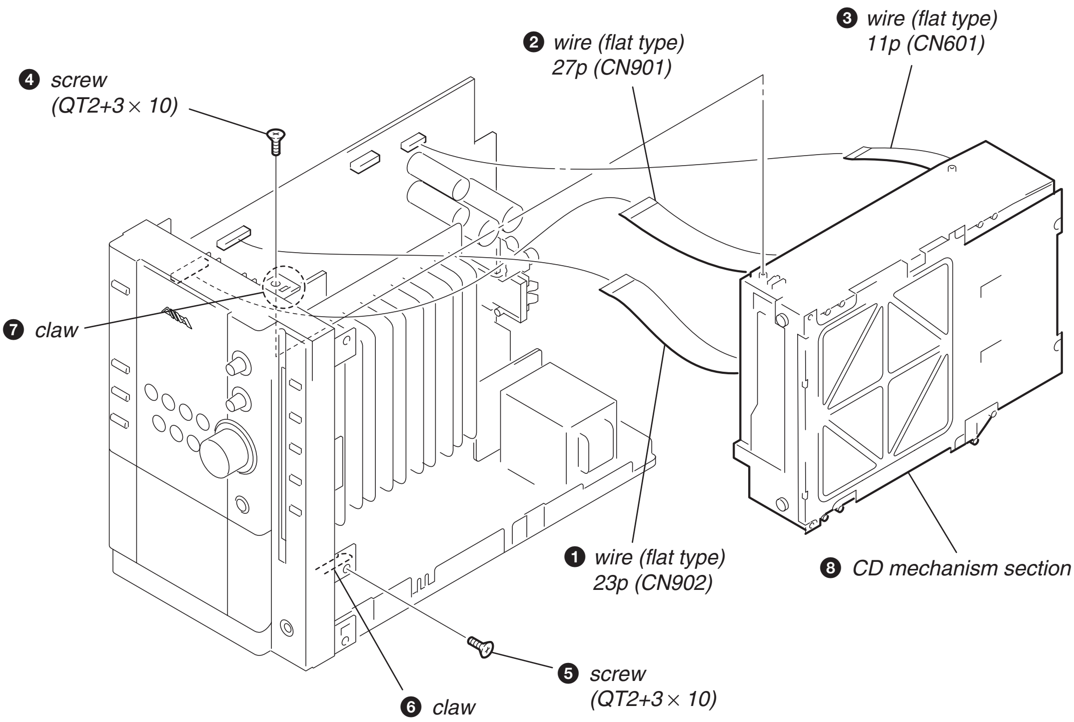


Note: Follow the disassembly procedure in the numerical order given.

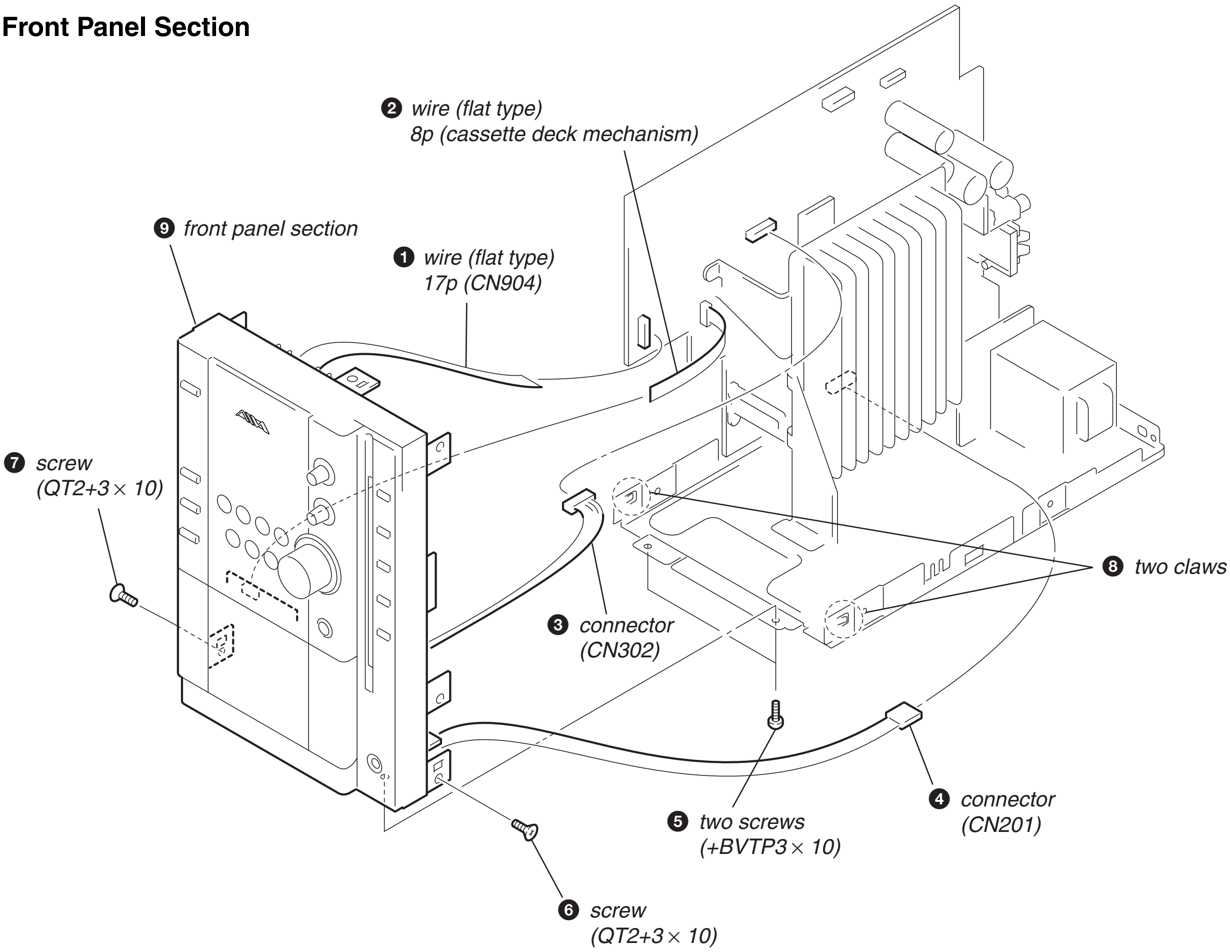
3-1. Side Panel (L)(R), Top Panel, Back Panel



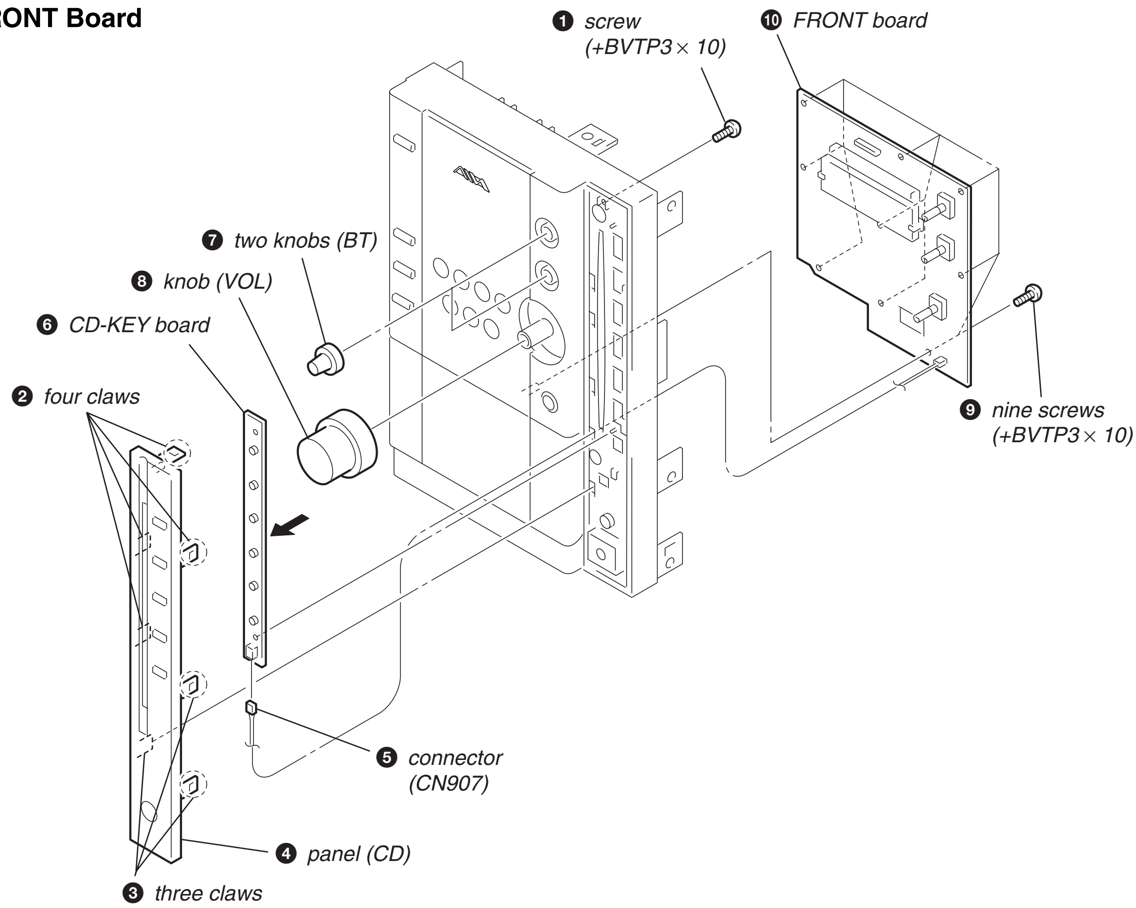
3-2. CD Mechanism Section



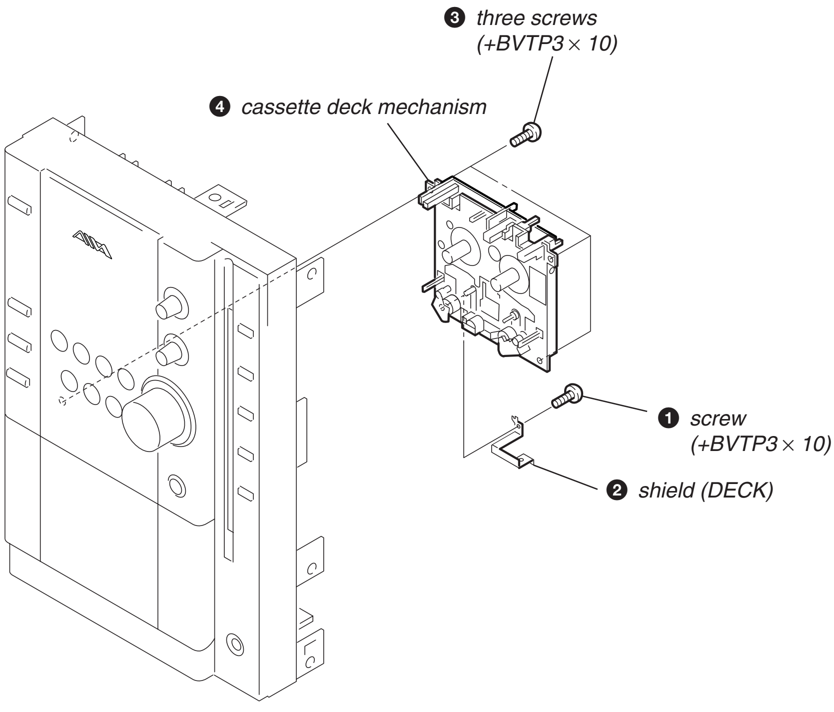
3-3. Front Panel Section



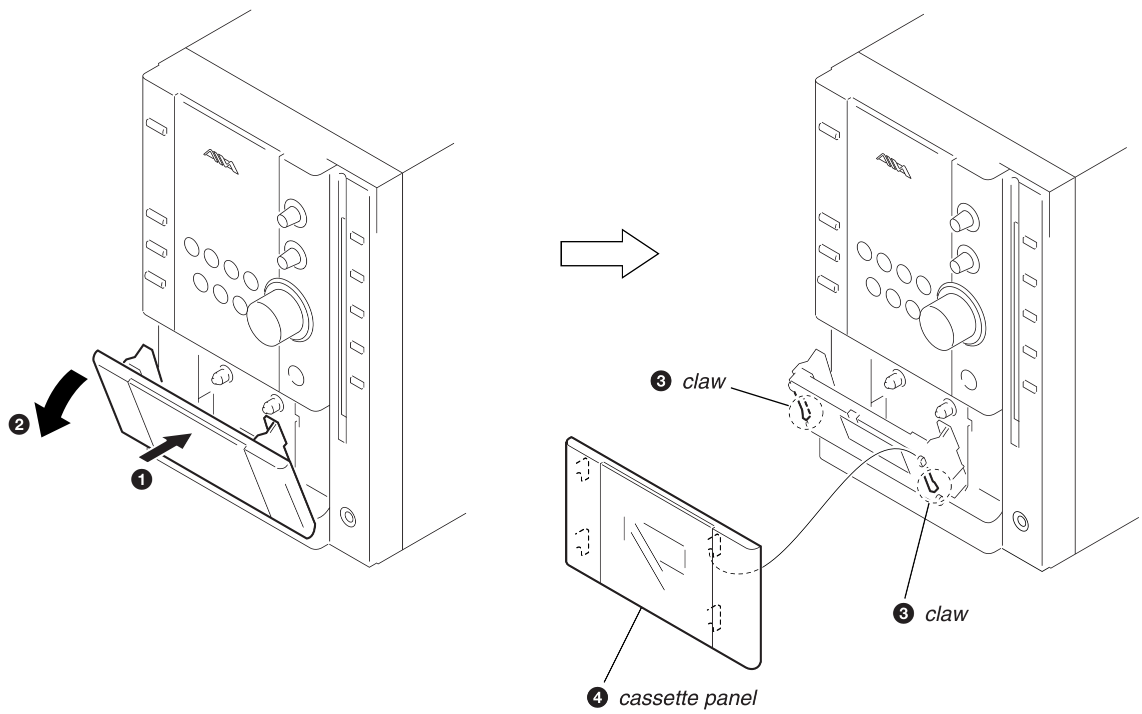
3-4. FRONT Board



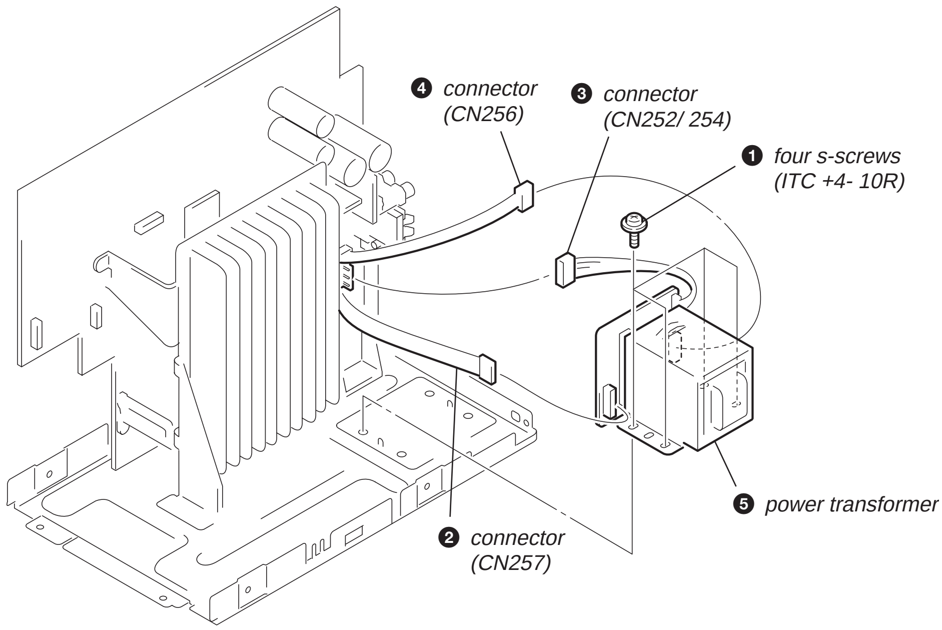
3-5. Cassette Deck Mechanism



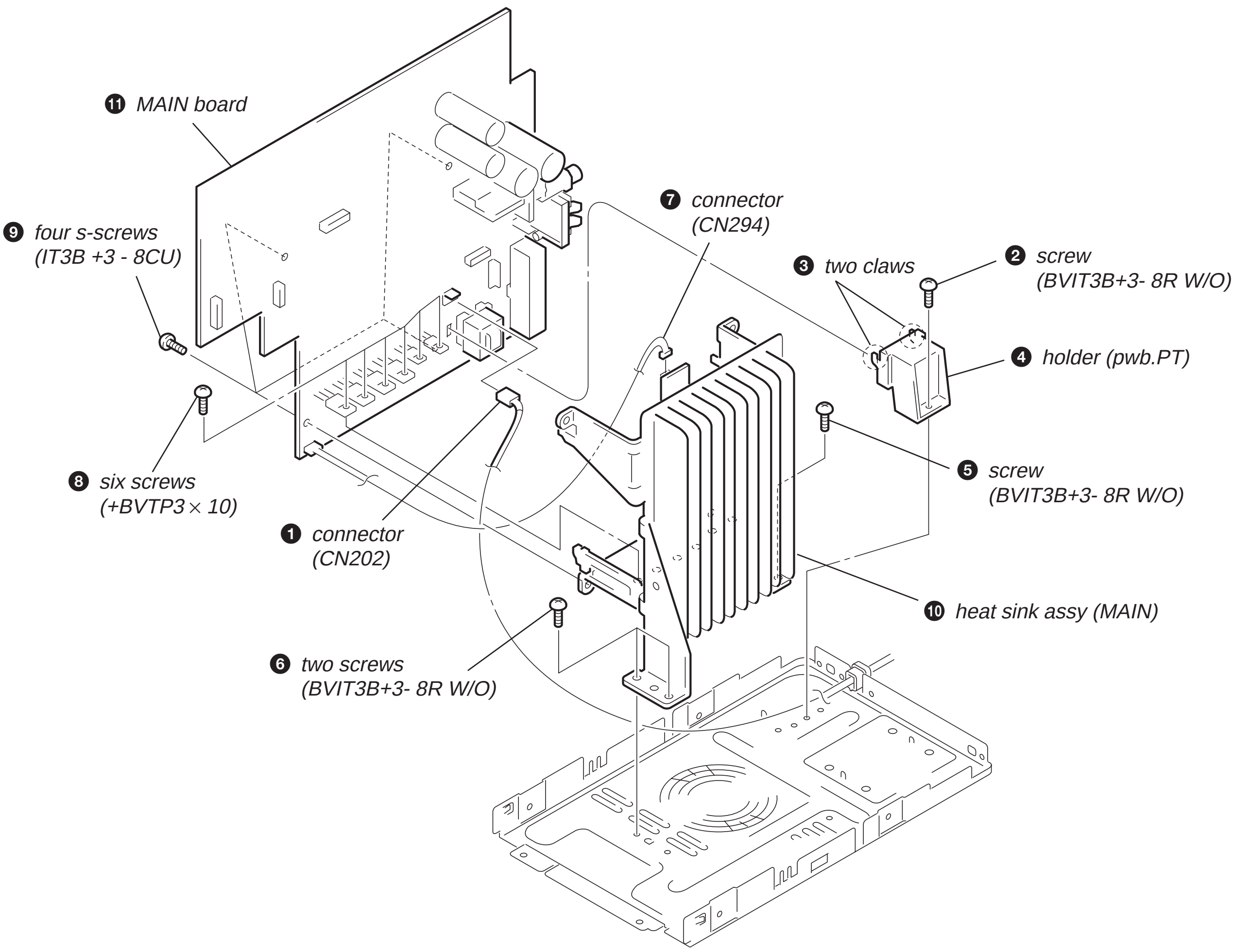
3-6. Cassette Panel



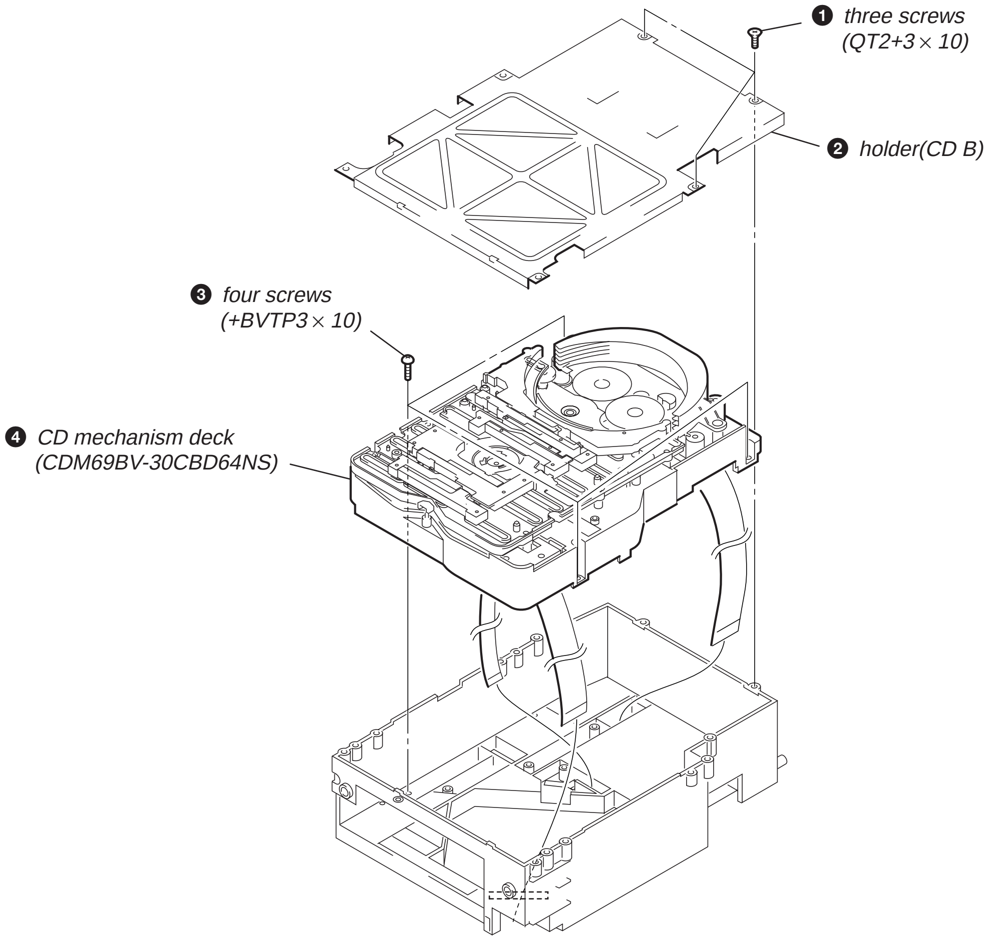
3-7. Power Transformer



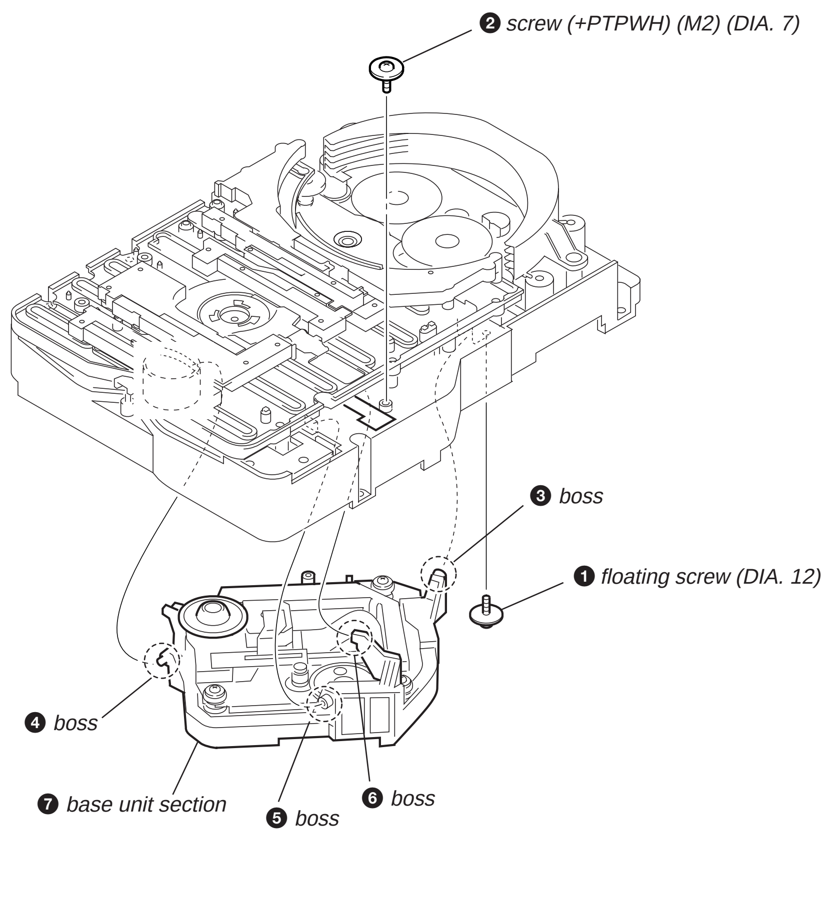
3-8. MAIN Board Section



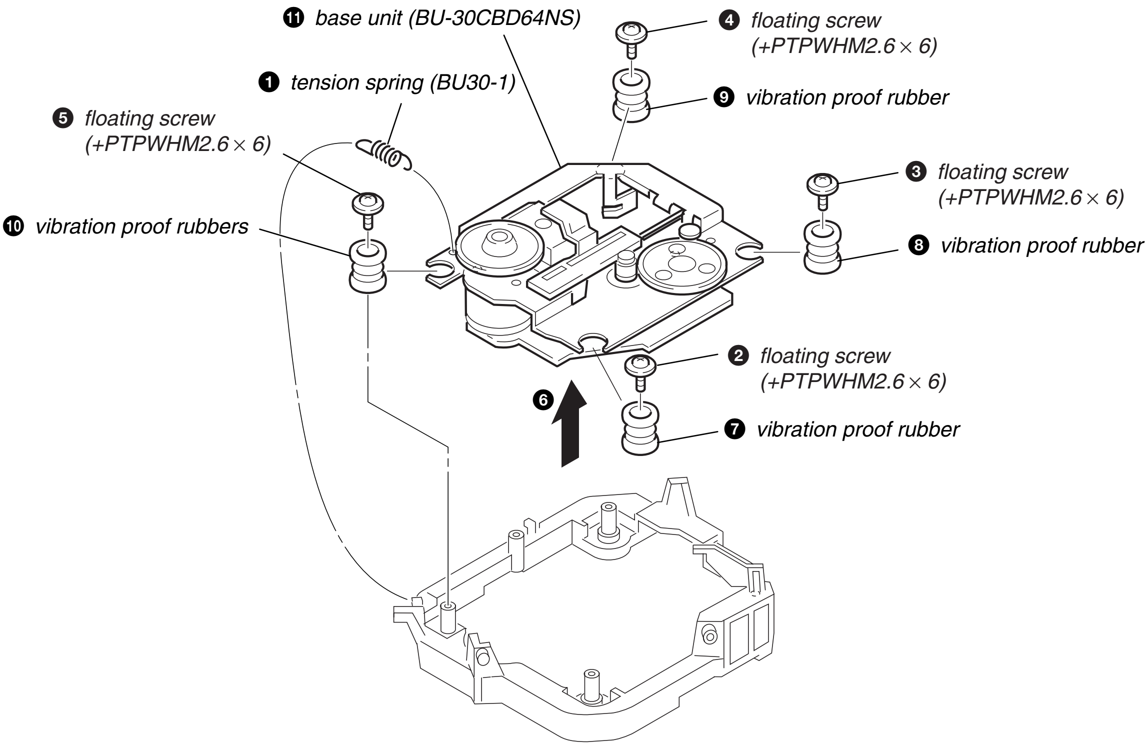
3-9. CD Mechanism Deck (CDM69BV-30CBD64NS)



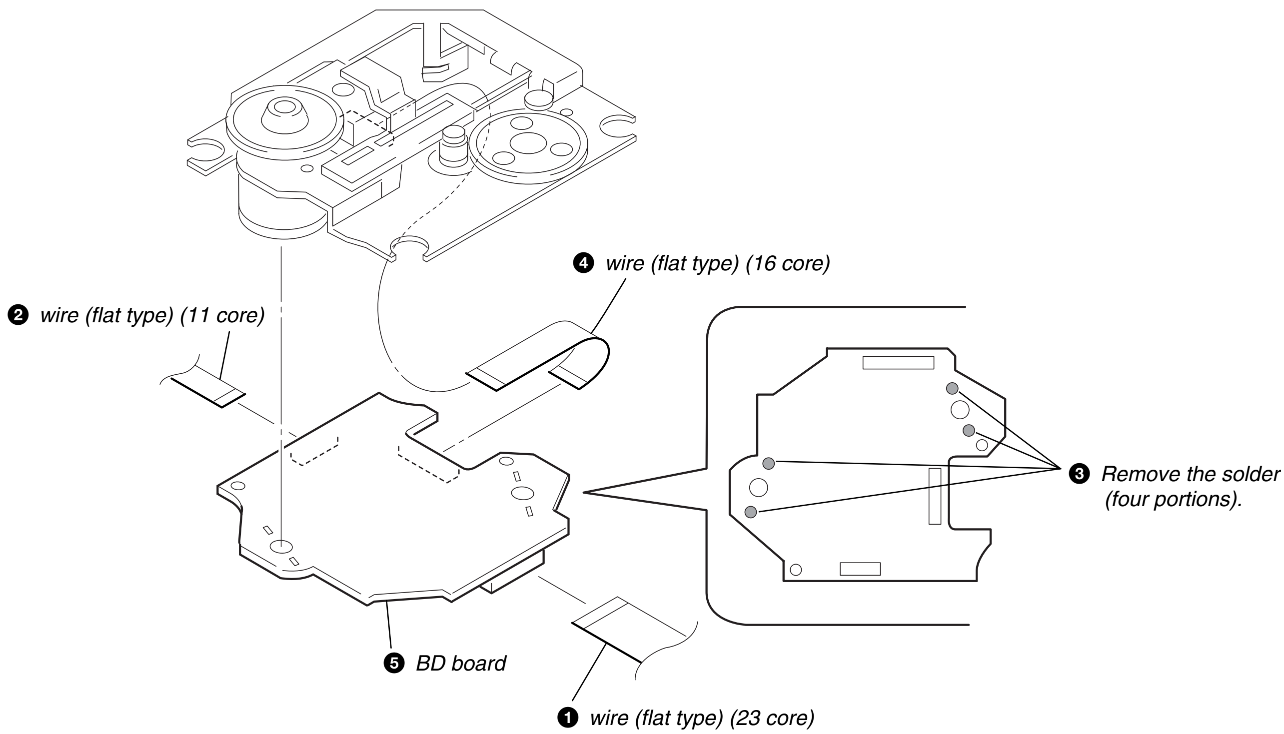
3-10. Base Unit Section



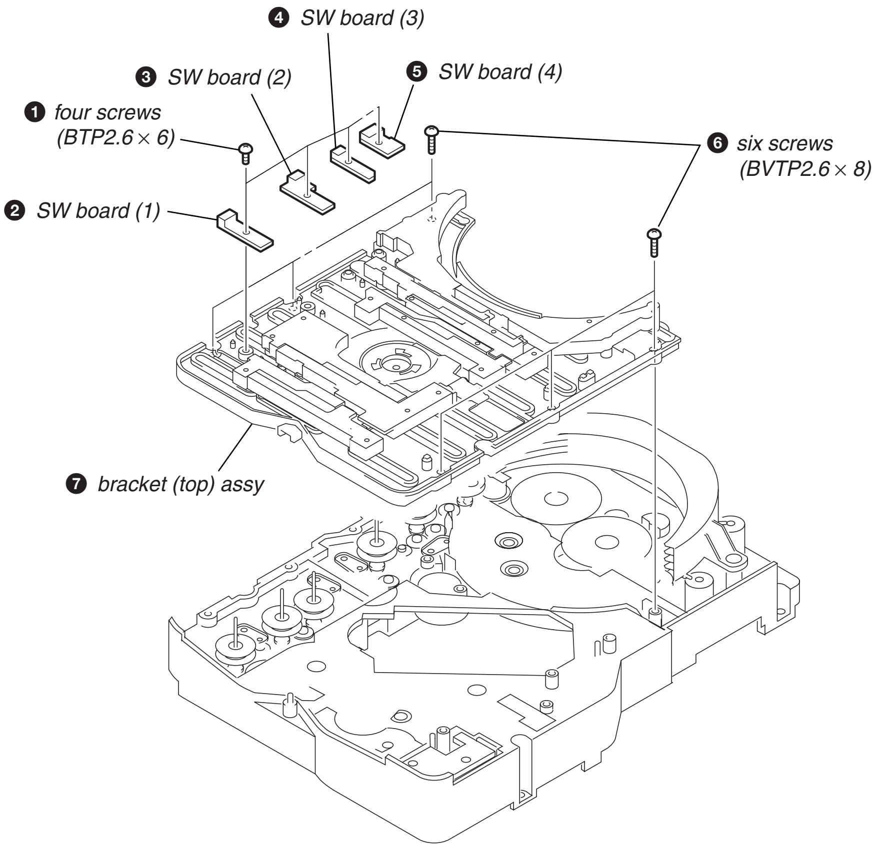
3-11. Base Unit (BU-30CBD64NS)



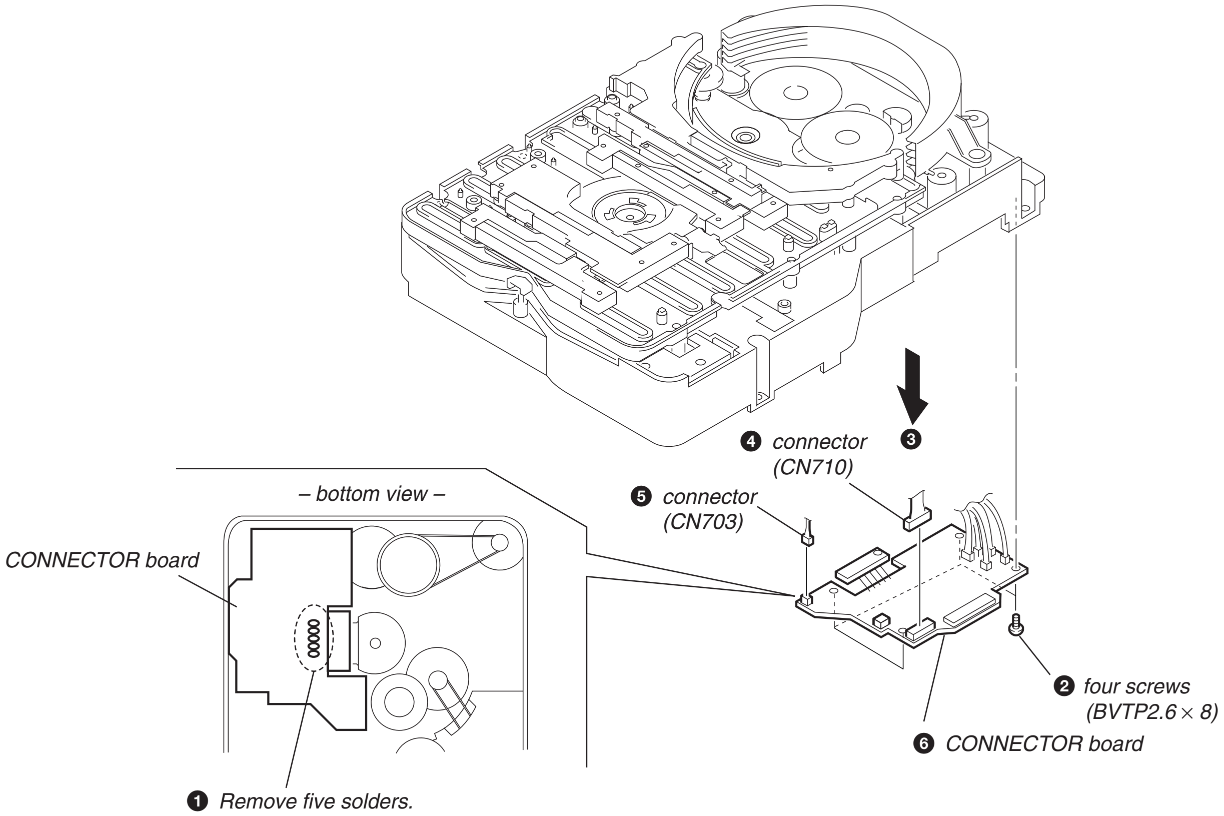
3-12. BD Board



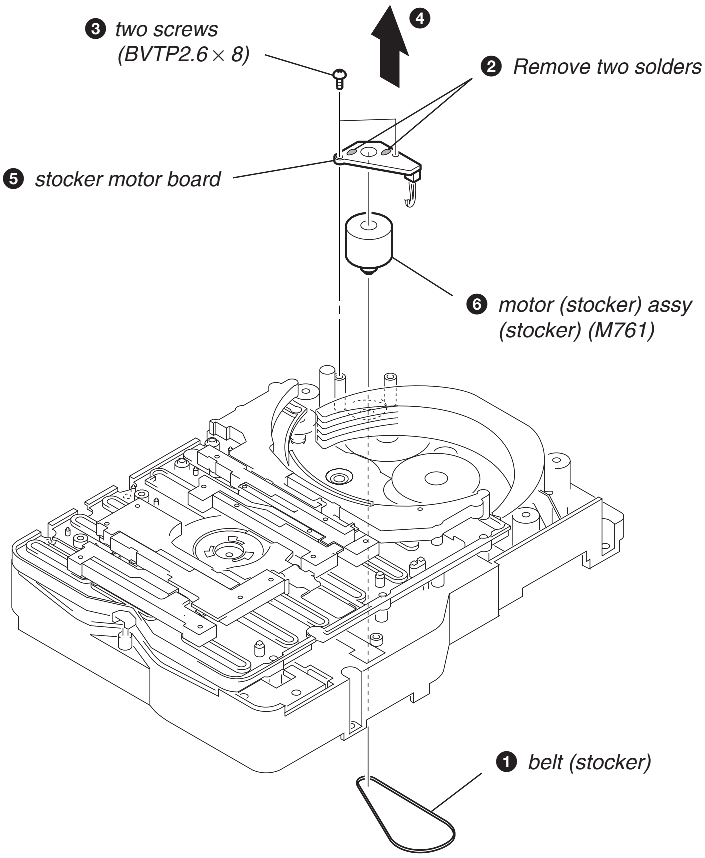
3-13. SW Board, Bracket (TOP) Assy



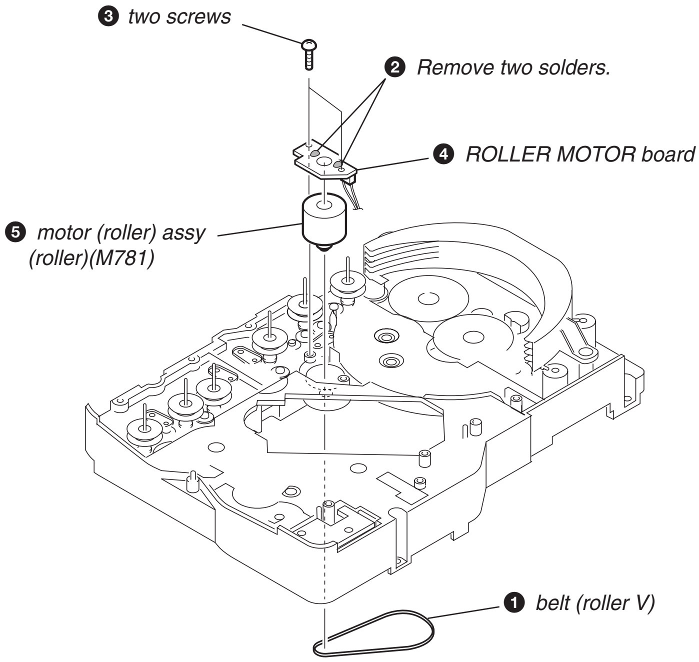
3-14. CONNECTOR Board



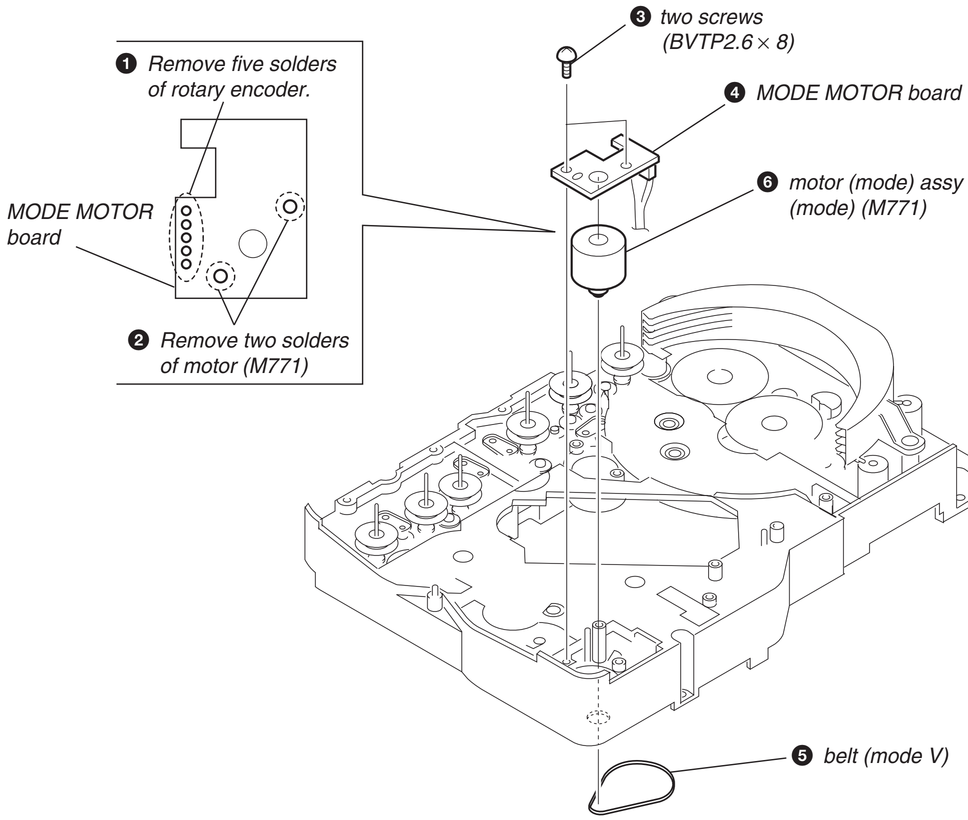
3-15. Motor (Stocker) Assy (Stocker)(M761)



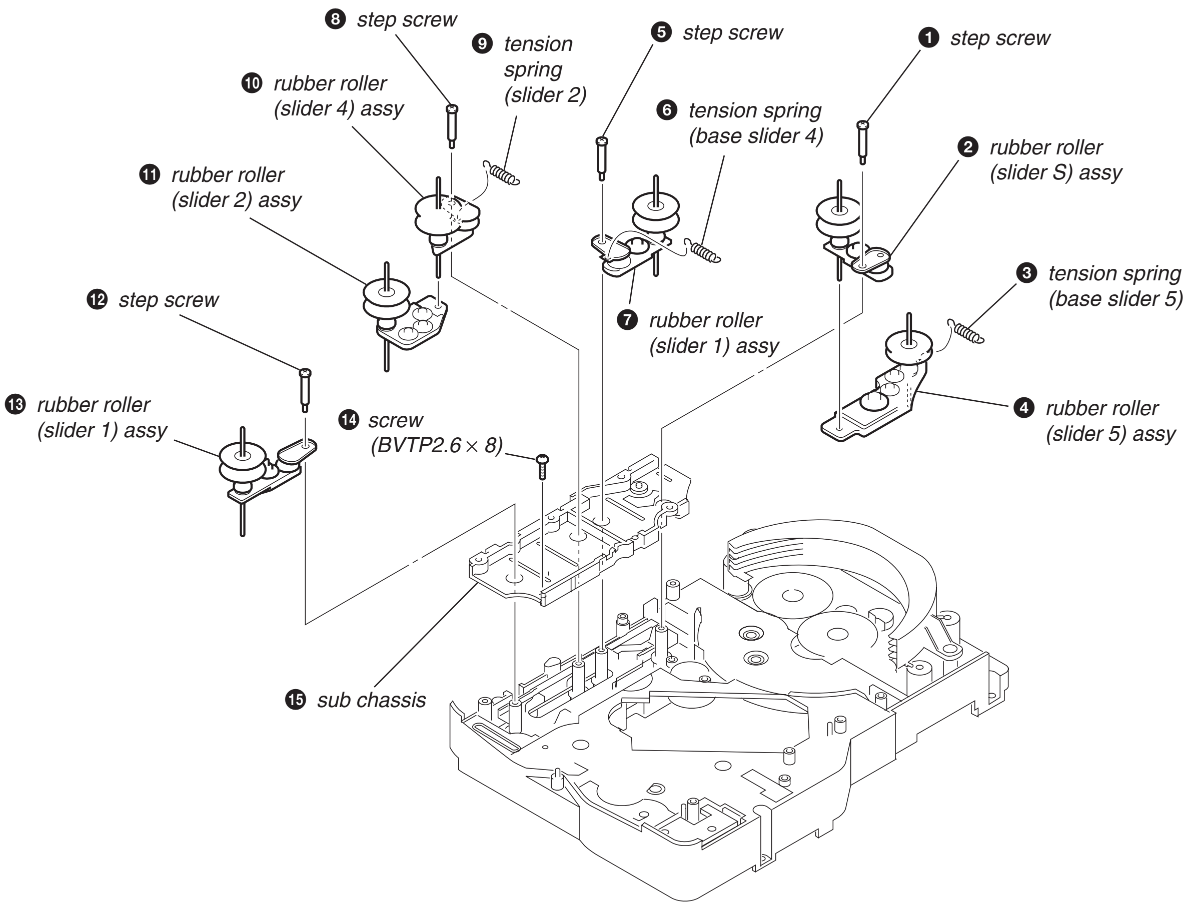
3-16. Motor (Roller) Assy (Roller)(M781)



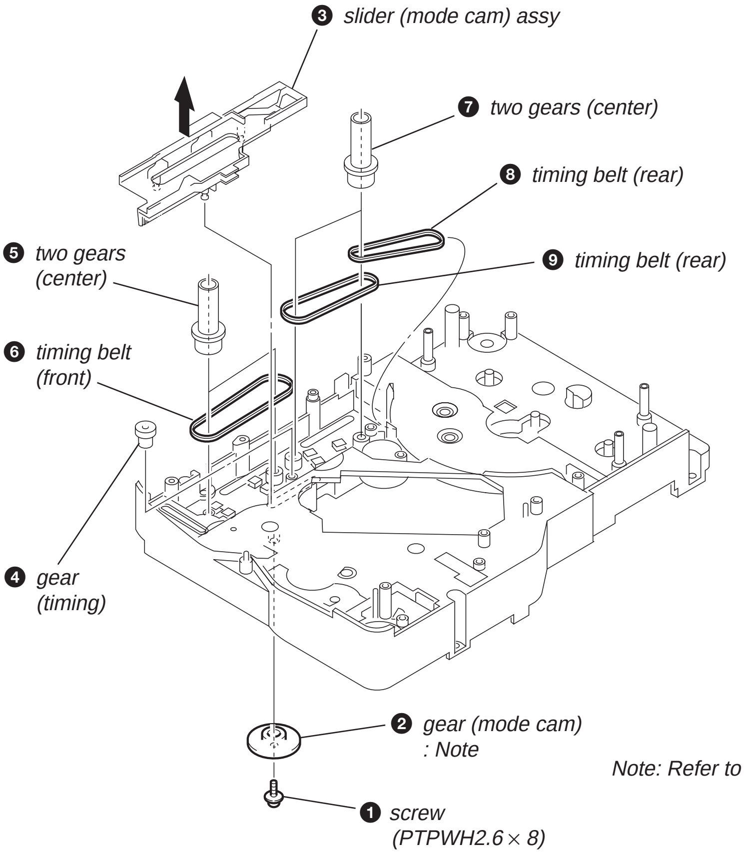
3-17. Motor (Mode) Assy (Mode)(M771)

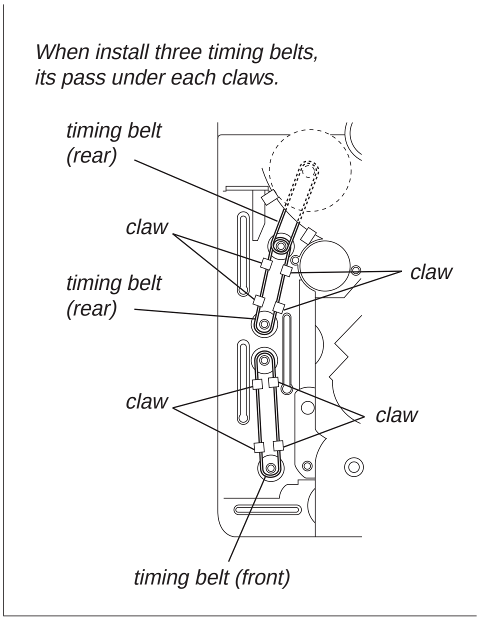


3-18. Rubber Roller (Slider) Assy



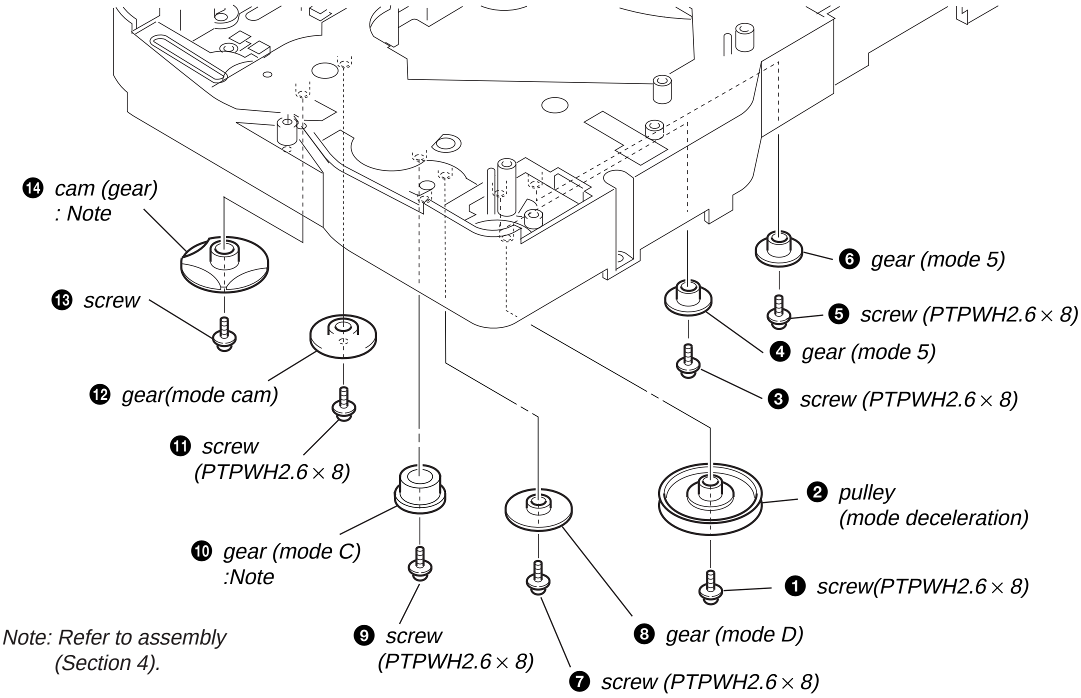
3-19. Timing Belt (Front/Rear)





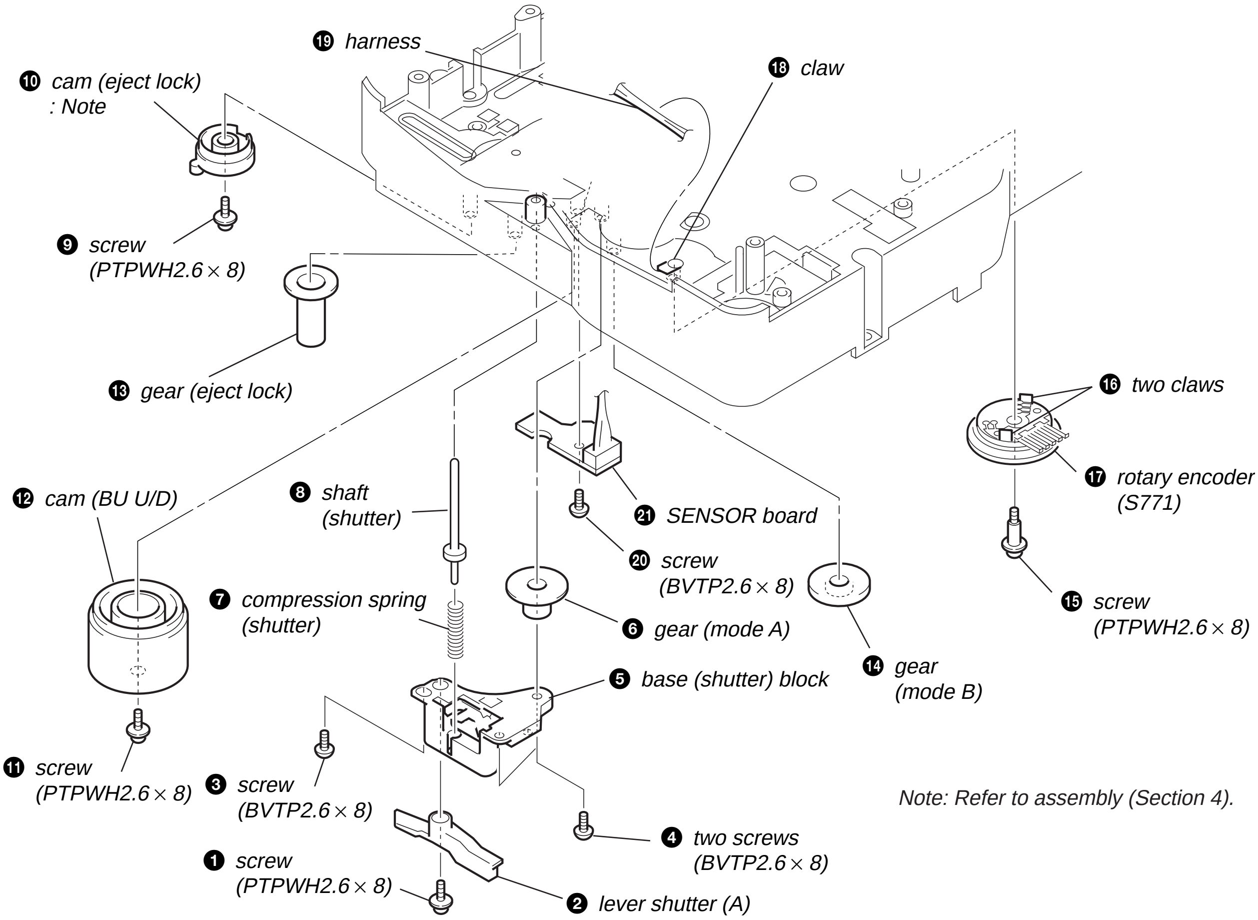
Note: Refer to assembly (Section 4)

3-20. Cam (Gear)



Note: Refer to assembly (Section 4).

3-21. SENSOR Board



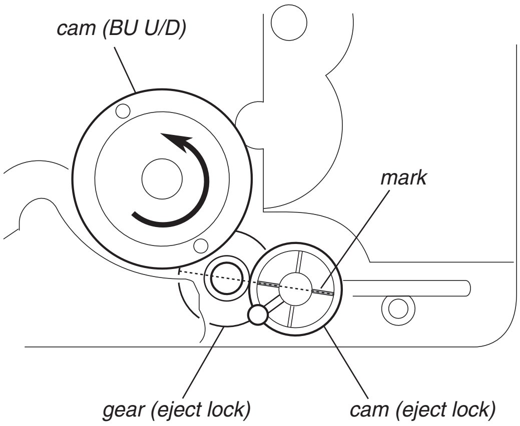
Note: Refer to assembly (Section 4).

SECTION 4
ASSEMBLY

• This set can be assembled in the order shown below.

4-1. How to Install the Cam (EJECT LOCK)

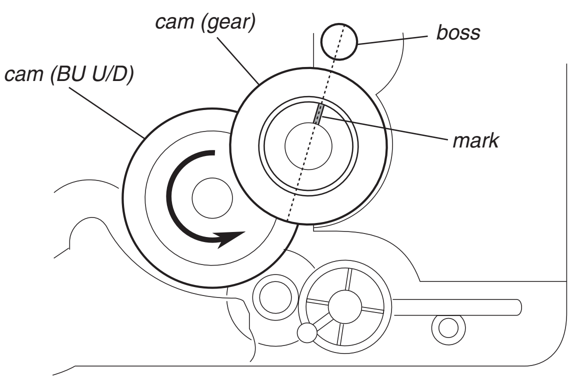
❶ *Rotate the cam (BU U/D) fully in the direction of arrow.*
❷ *Engage the gear (eject lock) and the gear of the cam (eject lock) aligning the mark with the center of the gear (eject lock).*



– bottom view • front –

4-2. How to Install the Cam (GEAR)

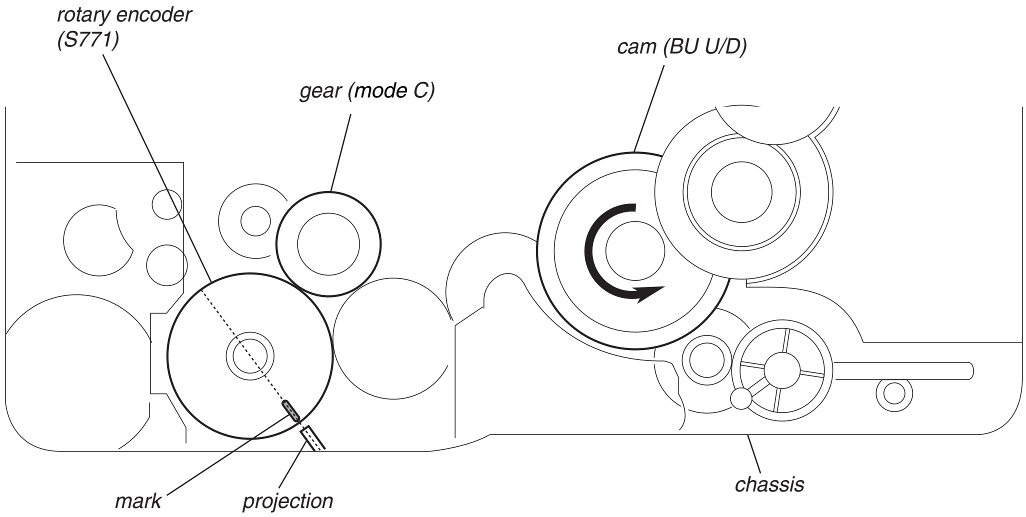
❶ *Check that the cam (BU U/D) can not be rotated in the direction of arrow.*
❷ *Align the mark on the cam (gear) with the boss as shown in the figure and install the cam (gear).*



– bottom view • front –

4-3. How to Install the Gear (MODE C)

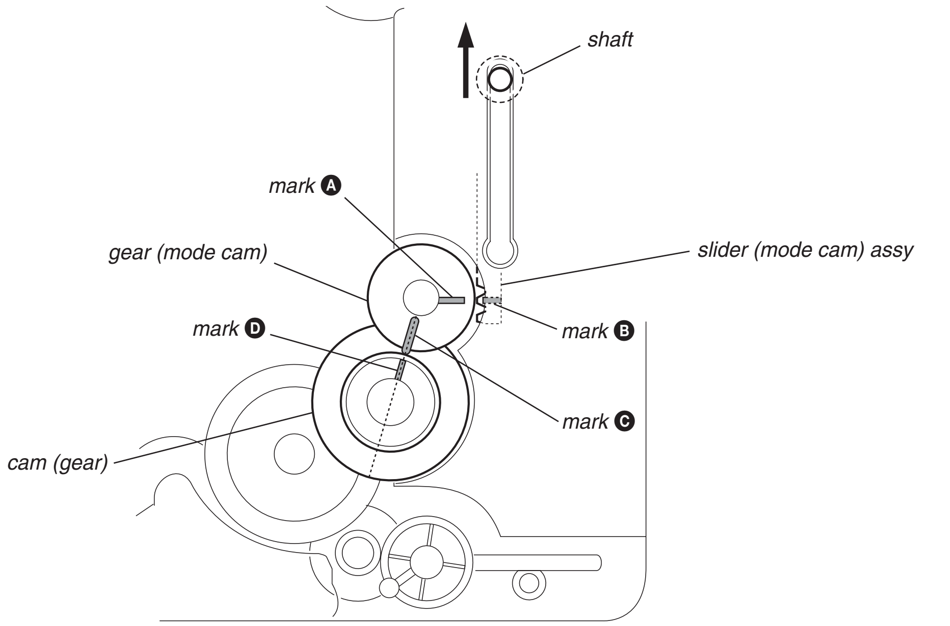
❶ *Align the mark on the rotary encoder (S771) with the projection of the assy.*
❷ *Check that the cam (BU U/D) can not be rotated in the direction of arrow.*
❸ *Install the gear (mode C)*



– bottom view • front –

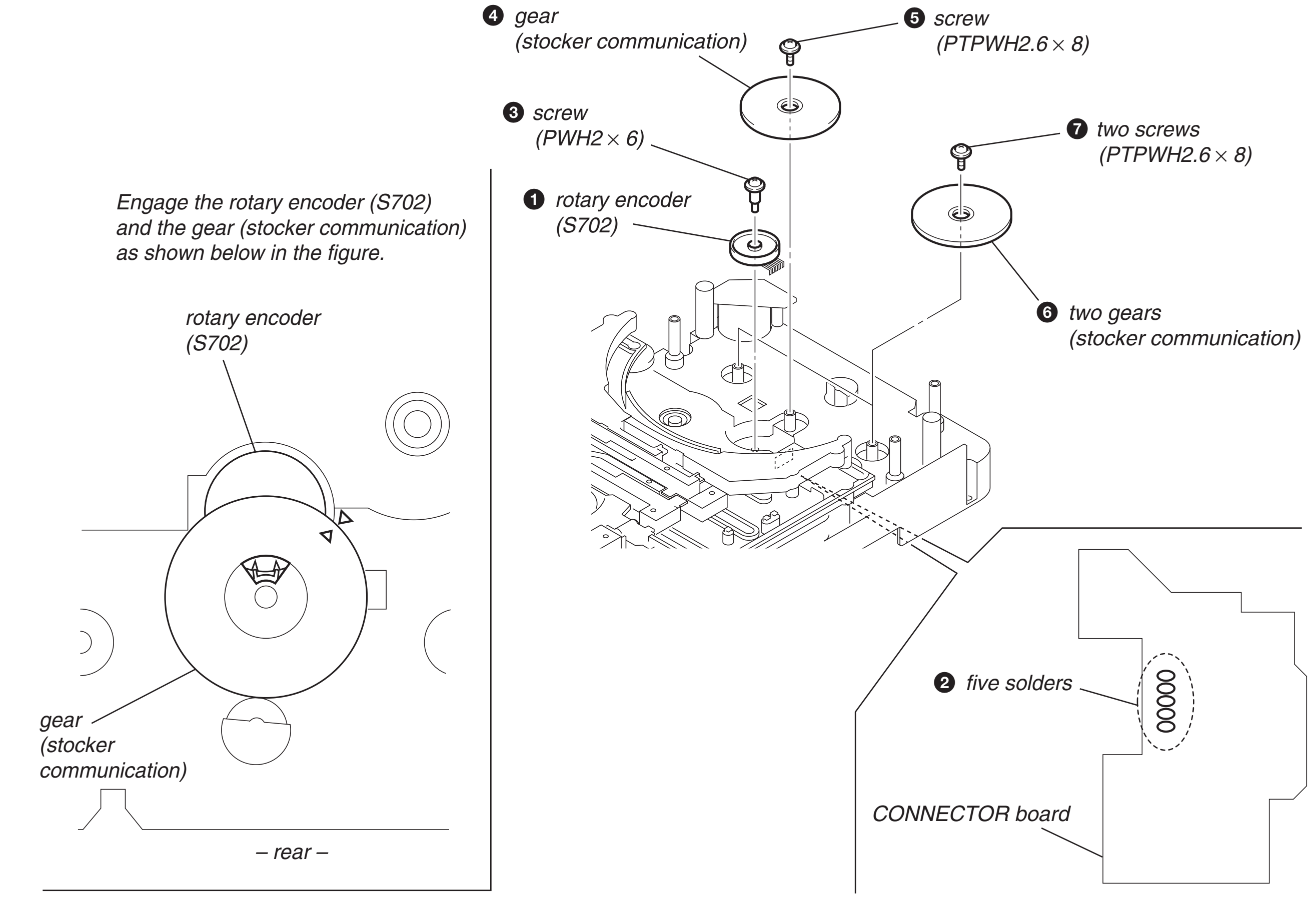
4-4. How to Install the Gear (MODE CAM)

❶ *Slide the shaft in the direction of arrow.*
❷ *Align mark Ⓐ on the gear (mode cam) with mark Ⓑ on the slider (mode cam) assy, then install the gear (mode cam).*
❸ *Check that mark Ⓒ on the gear (mode cam) is in alignment with mark Ⓓ on the cam (gear).*

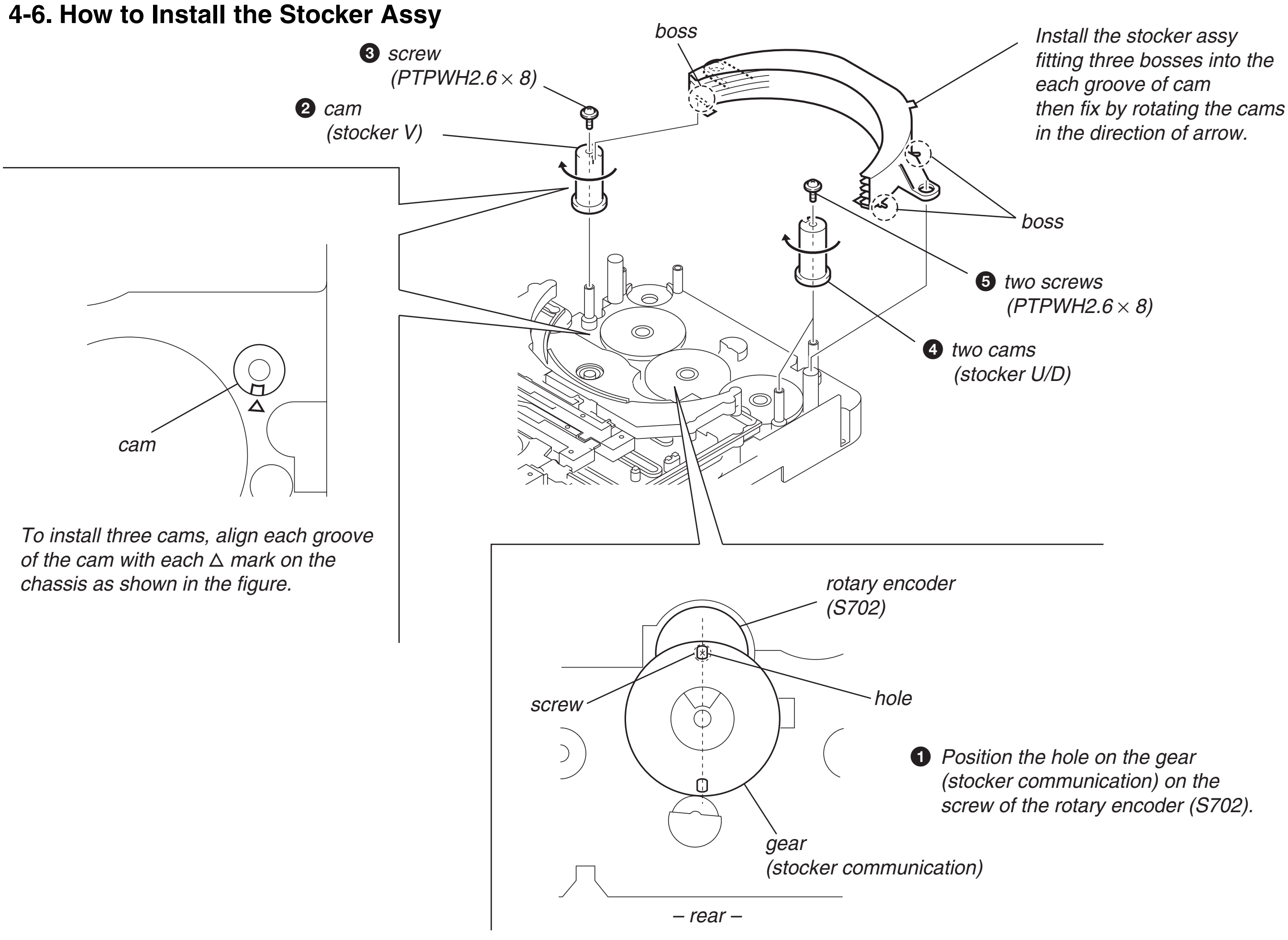


– bottom view • front –

4-5. How to Install the Rotary Encoder (S702), Gear (STOCKER COMMUNICATION)



4-6. How to Install the Stocker Assy



SECTION 5
TEST MODE

[Cold Reset]

* The cold reset clears all data including preset data stored in the RAM to initial conditions. Execute this mode when returning the set to the customer.

Procedure:
1. Press the [POWER] button to turn off the main power.
2. While depressing the [■] button, press the [POWER] button.
3. The fluorescent indicator tube does not display any message and the set is reset.

[Version Display Mode]

* The version of the microcomputer is displayed.

Procedure:
1. Press the [POWER] button to turn the set on.
2. To enter the test mode, press two buttons [■] and [POWER] simultaneously for more than five seconds. The version of the microcomputer is displayed.

[FL Tube Check]

* All fluorecent segments are tested.

Procedure:
1. Insert a disc, and extract an AC plug.
2. While depressing the [▶II] (CD) button, insert an AC plug to enter the test mode.
3. The message "CD TEST" is displayed, the initialization is performed.

Then all segments of the fluorecent indicator tube are turned on.

[CD Ship Mode]

* This mode moves the optical pick-up to the position durable to vibration. Use this mode when returning the set to the customer after repair.

Procedure:
1. Press the [POWER] button to turn the set on.
2. Set the FUNCTION to CD.
3. Press the [■] button for more than five seconds.
4. After a message "MECHA LOCK" is displayed on the fluorescent indicator tube, the CD ship mode is set and the power is turned off.

[Disc Tray Lock]

The disc tray lock function for the antitheft of an demonstration disc in the store is equipped.

Setting Procedure :
1. Press the [POWER] button to turn the set on.
2. Press two buttons of [■] and [⏏] (CD EJECT) simultaneously for five seconds.
3. The message "LOCKED" is displayed and the tray is locked.

Releasing Procedure :
1. Press two buttons of [■] and [⏏] (CD EJECT) simultaneously for five seconds again.
2. The message "UNLOCKED" is displayed and the tray is unlocked.

Note : When "LOCKED" is displayed, the tray lock is not released by turning power on/off with the [POWER] button.

[AMP Test]

* This mode is used to check the function of the amplifier.

Procedure:
1. Extract an AC plug.
2. While depressing the [AUX] button, insert an AC plug to enter the AMP test mode. The message "AMP TEST" is displayed.
3. The message "Volume MAX" is displayed, when the [VOLUME] knob is rotated clockwise. The message "Volume 0" is displayed, when the [VOLUME] knob is rotated counterclockwise.
4. Each time the [BASS] or [TREBLE] knob is turned, the message "EQ MAX", "EQ MIN" or "EQ FLAT" is displayed in this order.

[AM Channel Step 9 kHz/10kHz Selection Mode]

* Either the 9 kHz step or 10 kHz step can be selected for the AM channel step. (EXCEPT AEP,UK)

Procedure:
1. Set the FUNCTION to AM.
2. While depressing the [TUNER] button, press the [POWER] button.
3. The channel step is changed over.

[CD Test Mode]

* This mode can run the CD sled motor freely. Use this mode, for instance, when cleaning the pickup.

Procedure:
1. Extract an AC plug.
2. While depressing the [▶II] (CD) button, insert an AC plug to enter the CD test mode. The message "CD TEST" is displayed.
3. With the CD in stop status, press the [▶▶I] button to move the pickup to outside track, or press the [I◀◀] button to inside track.
4. When press the [▶II] (CD) button, normal playback is performed.
5. Each time the [▶II] (CD) button is pressed during normal playback, the tracking servo is switched on or off.
6. To exit this mode, either change to other functions or extract an AC plug.

[CD Repeat 5 Times Limit Release Mode]

Procedure:
1. Press the [POWER] button to turn the set on.
2. Select the FUNCTION to CD.
3. Press two buttons of [▶▶I] and [▶II] (CD) simultaneously.
4. The repeat all mark blinks and then repeat 5 times limit is released.

SECTION 6 MECHANICAL ADJUSTMENTS

• TAPE MECHANISM DECK SECTION

Precaution

1. Clean the following parts with a denatured alcohol-moistened swab:

record/playback heads	pinch rollers
erase head	rubber belts
capstan	idlers

2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Mode	Torque meter	Meter reading
FWD	CQ-102C	2.94 – 7.84 mN • m (30 to 79 g • cm) (0.42 – 1.11 oz • inch)
FWD back tension	CQ-102C	0.15 – 0.6 mN • m 2 to 6 g • cm (0.03 – 0.08 oz • inch)
REV	CQ-102RC	2.94 – 7.84 mN • m (30 to 79 g • cm) (0.42 – 1.11 oz • inch)
REV back tension	CQ-102RC	2.94 – 7.84 mN • m (30 to 79 g • cm) (0.42 – 1.11 oz • inch)
FF/REV	CQ-201B	6.86 – 17.64 mN • m (70 to 179 g • cm) (0.98 – 2.49 oz • inch)
FWD tension	CQ-403A	9.8 mN • m (100 • cm or more) (1.4 oz • inch or more)
REV tension	CQ-403R	9.8 mN • m (100 • cm or more) (1.4 oz • inch or more)

SECTION 7 ELECTRICAL ADJUSTMENTS

DECK SECTION 0 dB = 0.775 V

Precaution

1. Demagnetize the record/playback head with a head demagnetizer.
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjust.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-CH.
7. Switches and controls should be set as follows unless otherwise specified.

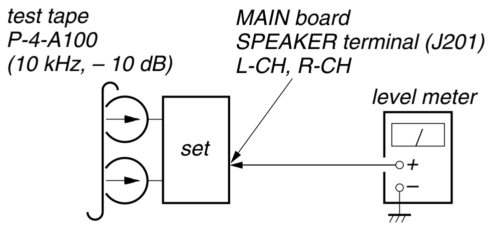
• Test Tape

Tape	Signal	Used for
P-4-A100	10 kHz, – 10 dB	Azimuth Adjustment
WS-48B	3 kHz, 0 dB	Tape Speed Check

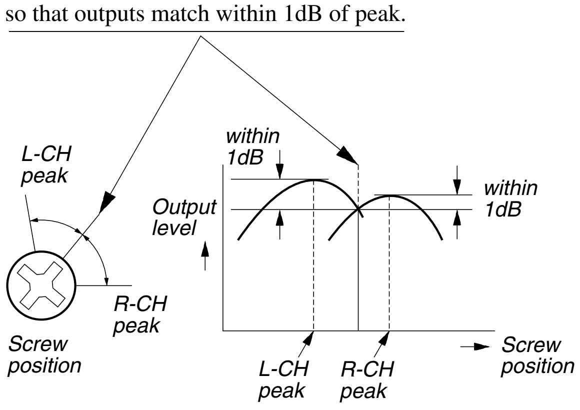
Record/Playback Head Azimuth Adjustment

Procedure:

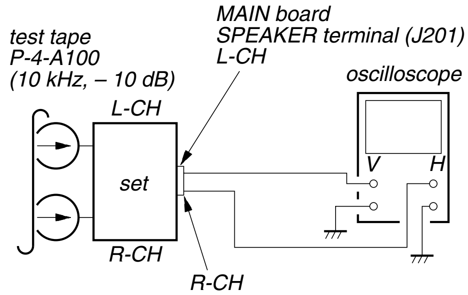
1. Mode: Playback

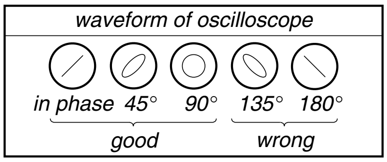


2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1dB of peak.



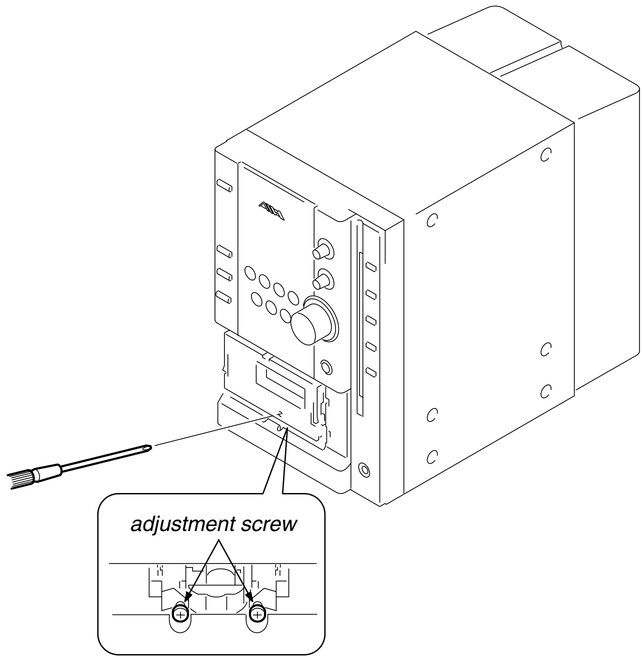
3. Mode: Playback





4. After the adjustments, apply suitable locking compound to the parts adjusted.

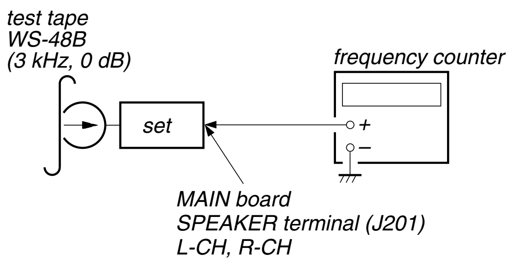
Adjustment Location: Record/Playback/Erase Head



Note: Refer to "3-6. Cassette Panel" (see page 9)

Tape Speed Check

Mode: Playback



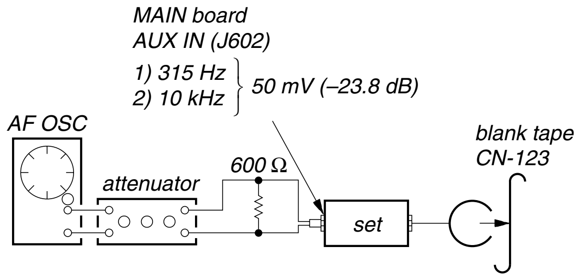
1. Insert the WS-48B into the deck.
2. Press the ▶ button on the deck.
3. Confirm that the frequency counter reads 3,000 ± 90 Hz.

Sample value of Wow and Flutter: 0.3% or less W.RMS (JIS) (WS-48B)

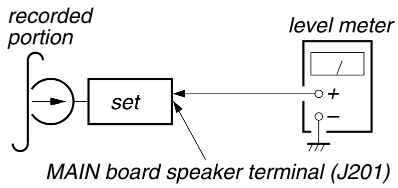
Record Bias Adjustment

Procedure:

1. Record mode



2. Mode: Playback
   i-Bass OFF
   BASS 0
   TREBLE 0

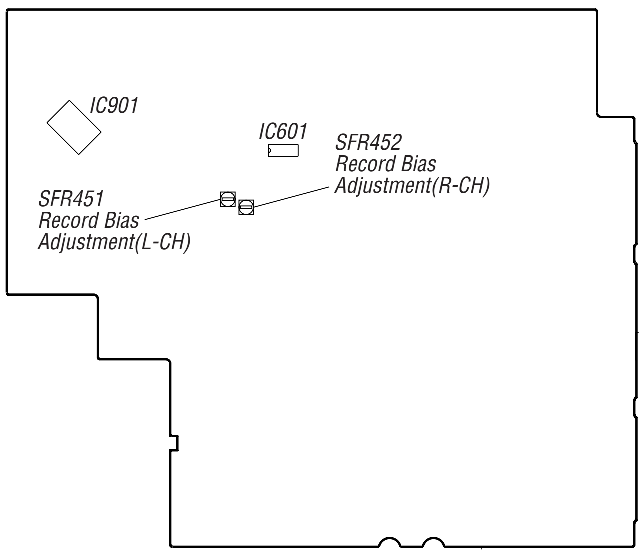


3. Confirm playback the signal recorded in step 1 become adjustment level as follows.
4. If these levels do not adjustment level, adjustment the SFR451 (L-CH) and SFR452 (R-CH) to repeat steps 1 and 4.

Adjustment level: Playback output of 315 Hz to playback output of 10 kHz: 0 ± 1.0 dB (0 ± 4.5mV).

Adjustment Location: MAIN board

[MAIN BOARD] – Component Side –

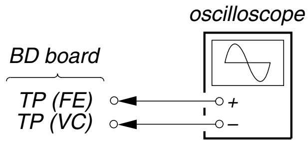


CD SECTION

Note:
1. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
2. Use an oscilloscope with more than 10MΩ impedance.
3. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

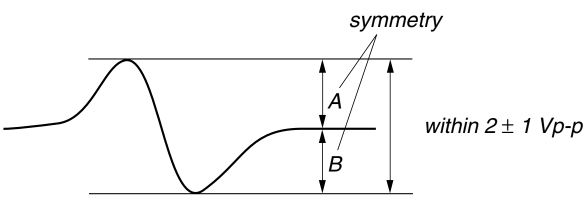
S-curve Check

Connection:



Procedure:
1. Connect an oscilloscope to test point TP (FE) and TP (VC) on the BD board.
2. While depressing the [▶II] (CD) button, insert an AC plug.
3. Put the disc (YEDS-18) in and press the [■] (CD) button and actuate the focus search. (actuate the focus search when disc table is moving in and out)
4. Check the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within 2 ± 1 Vp-p.

S-curve waveform

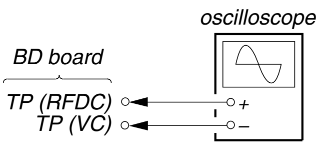


Note:
- Try to measure several times to make sure than the ratio of A : B or B : A is more than 10 : 7.
- Take sweep time as long as possible and light up the brightness to obtain best waveform.

Checking Location: BD board (Side B)

RFDC Level Check

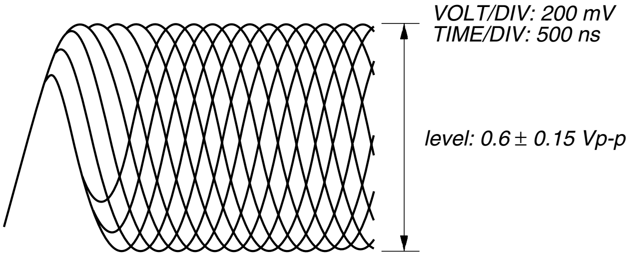
Connection:



Procedure:
1. Connect an oscilloscope to test point TP (RFDC) and TP (VC) on the BD board.
2. Turn the power on.
3. Put the disc (YEDS-18) in to playback the number five track.
4. Confirm that oscilloscope waveform is clear and check RFDC signal level is correct or not.

Note: A clear RFDC signal waveform means that the shape "◊" can be clearly distinguished at the center of the waveform.

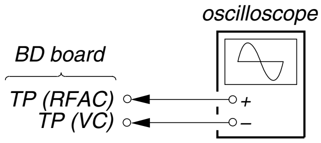
RFDC signal waveform



Checking Location: CD board (Conductor side)

RFAC Level Check

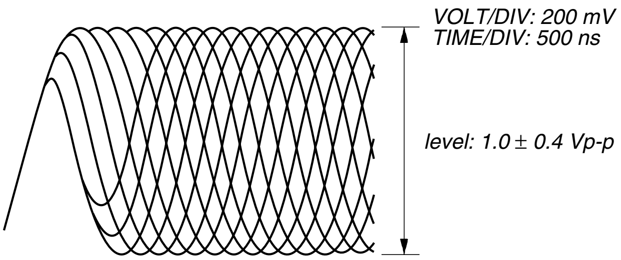
Connection:



Procedure:
1. Connect an oscilloscope to test point TP (RFAC) and TP (VC) on the BD board.
2. Turn the power on.
3. Put the disc (YEDS-18) in to playback the number five track.
4. Confirm that oscilloscope waveform is clear and check RFAC signal level is correct or not.

Note: A clear RFAC signal waveform means that the shape "◊" can be clearly distinguished at the center of the waveform.

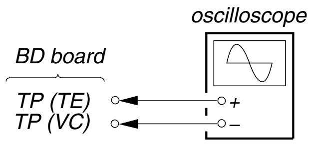
RFAC signal waveform



Checking Location: BD board (Side B)

E-F Balance Adjustment

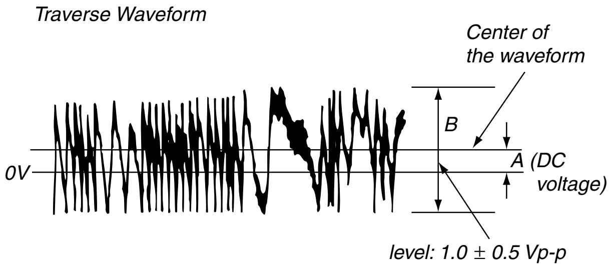
Connection:



(CD) button. (The tracking servo and the

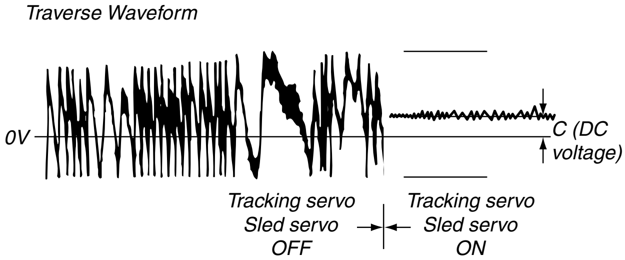
Procedure:

1. Connect an oscilloscpe to test point TP (TE) and TP (VC) on the BD board.
2. AC is put in pushing ▶II (CD) button to enter the CD test mode.
3. Put the disc (YEDS-18) in to playback the number five track.
4. Press the ▶II (CD) button. If it plays, press the ▶II (CD) button again. (The tracking servo and the sledding servo are turned OFF)
5. Check the level B of the oscilliscope's waveform and the A (DC voltage) of the center of the Traverse waveform.
   Confirm the following :
   A/B x 100 = less than ± 10%



6. Press the ▶II (CD) button. (The tracking servo and sledding servo are turned ON)
   Rotate RV101 on BD board and adjust the C (DC voltage) is almost equal to the A (DC voltage) in step 4.
7. To exit from this mode, turn the power off.

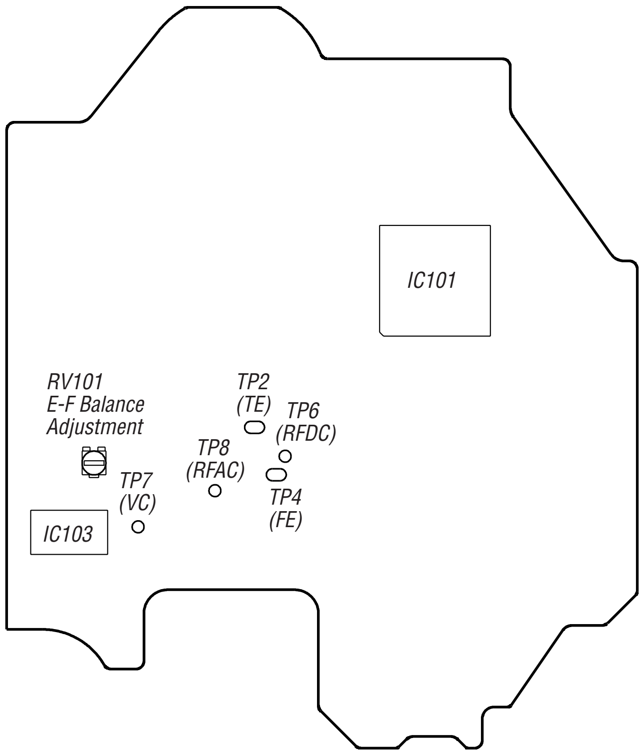
Notes: • Always move the optical pick-up to most inside track when exiting from this mode. Otherwise, a disc will not be unloaded.
• Do not run the sled motor excessively, otherwise the gear can be chipped.



Checking Location: BD board (Side B)

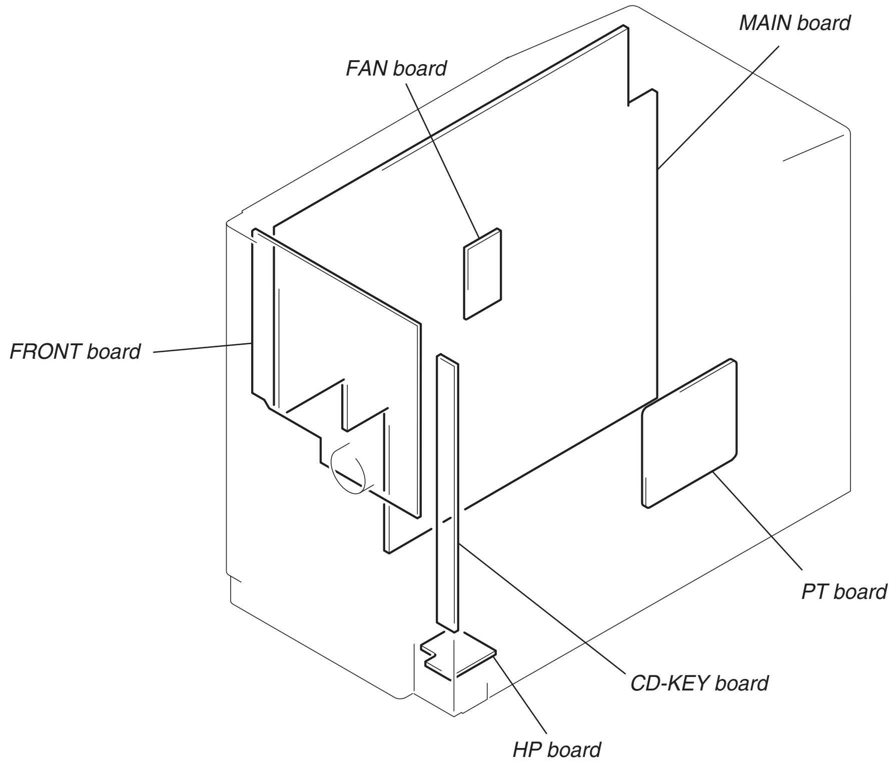
Checking Location:

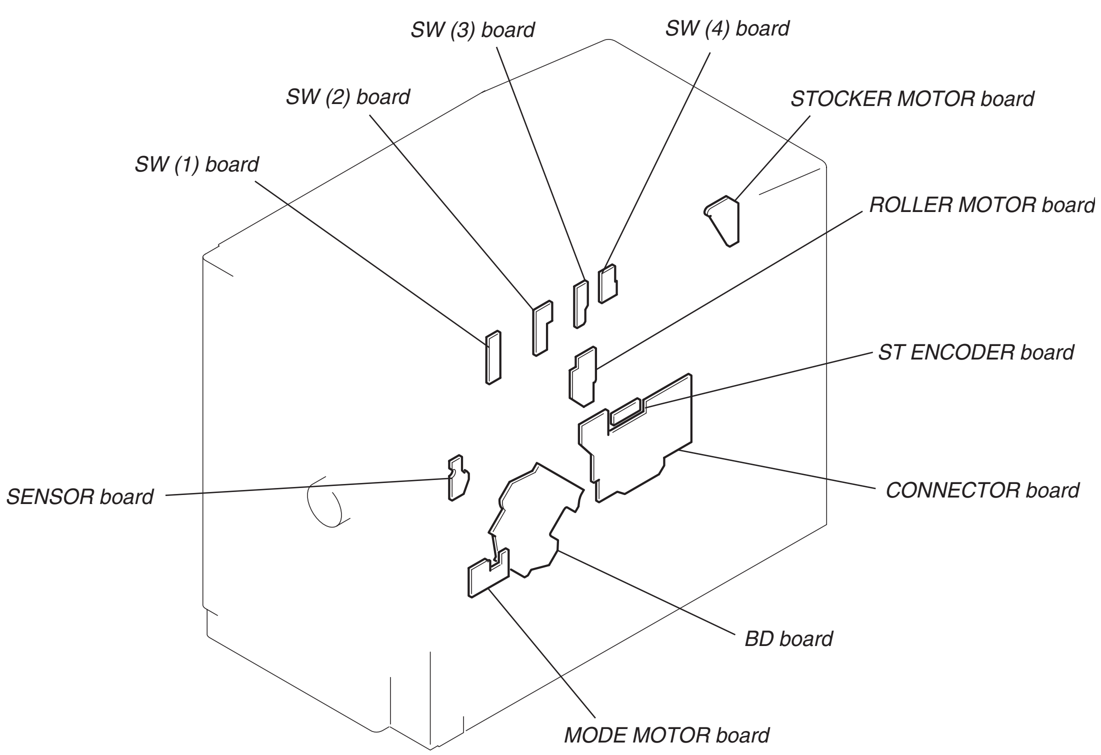
– BD BOARD (Side B) –



SECTION 8
DIAGRAMS

• **Circuit Boards Location**





THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For schematic diagrams.
Note:
- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
  - ∗ : Impossible to measure
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

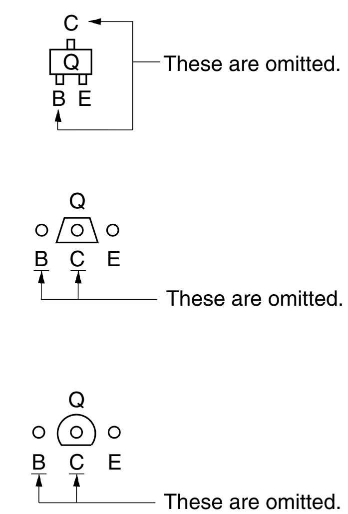
Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

- : B+ Line.
- : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : Power on
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  - : TUNER
  - : CD
  - : AUX
  - : PB (TAPE)
  - : REC (TAPE)
  - : DIGITAL OUT
- Abbreviation
  - AUS : Australian model.
  - CND : Canadian model.
  - SP : Singapore model.
  - TW : Taiwan model.
  - KR : Korean model.
  - TH : Thai model.

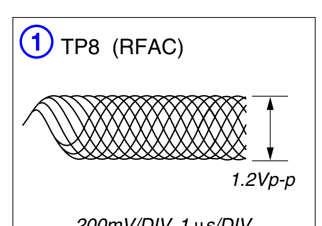
For printed wiring boards.
Note:
- ○—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.
- △ : internal component.
- : Pattern from the side which enables seeing.

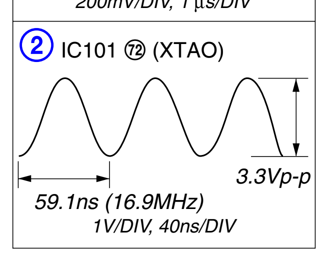
Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

• **Indication of transistor**

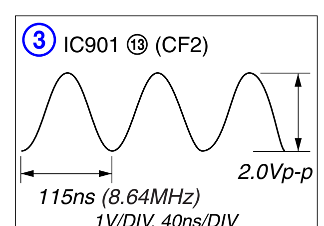


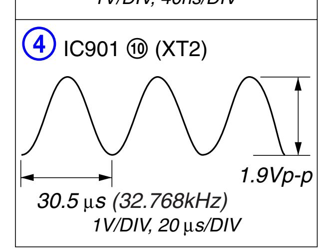
• **Waveforms**
– BD Board –



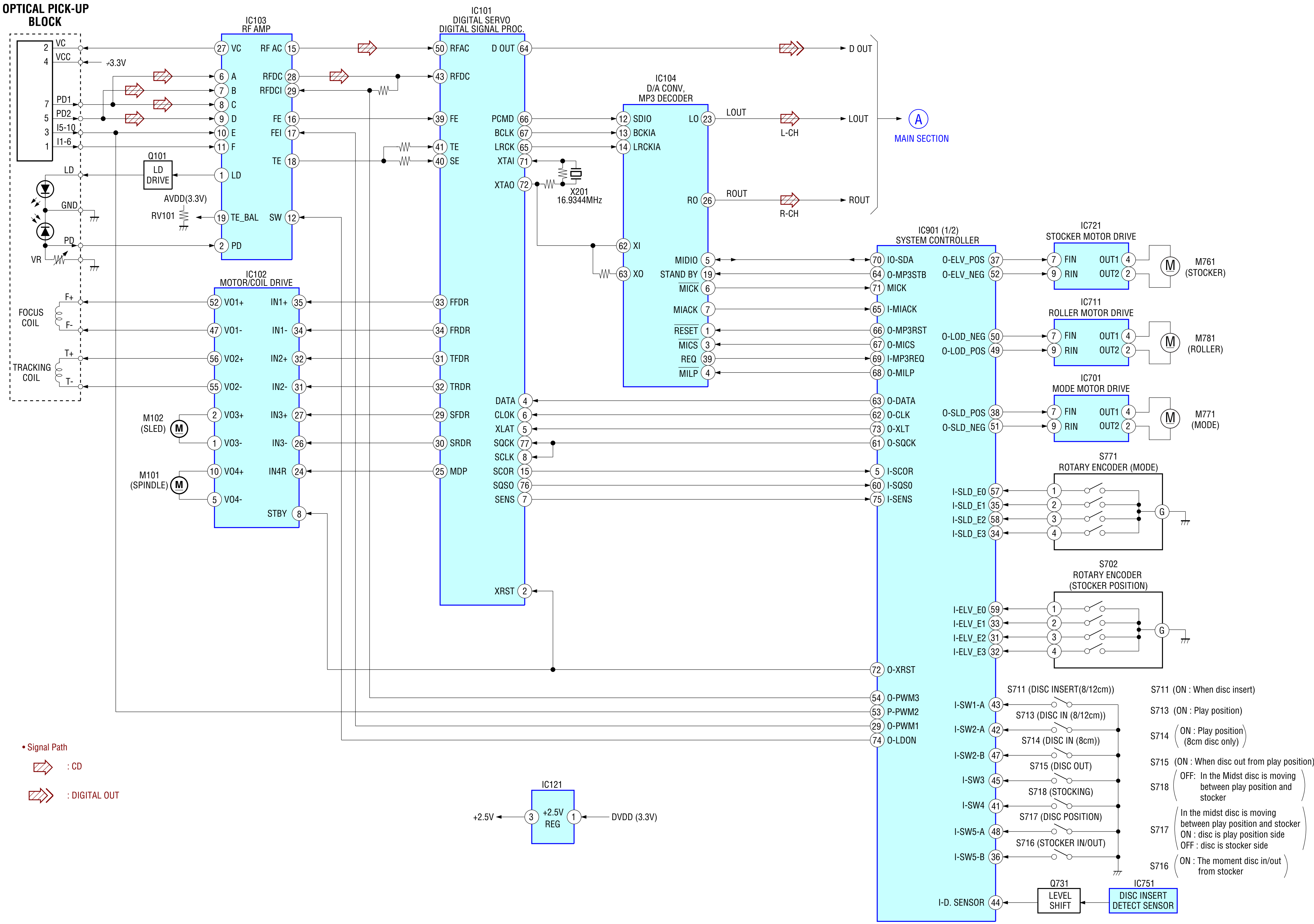


– MAIN Board –

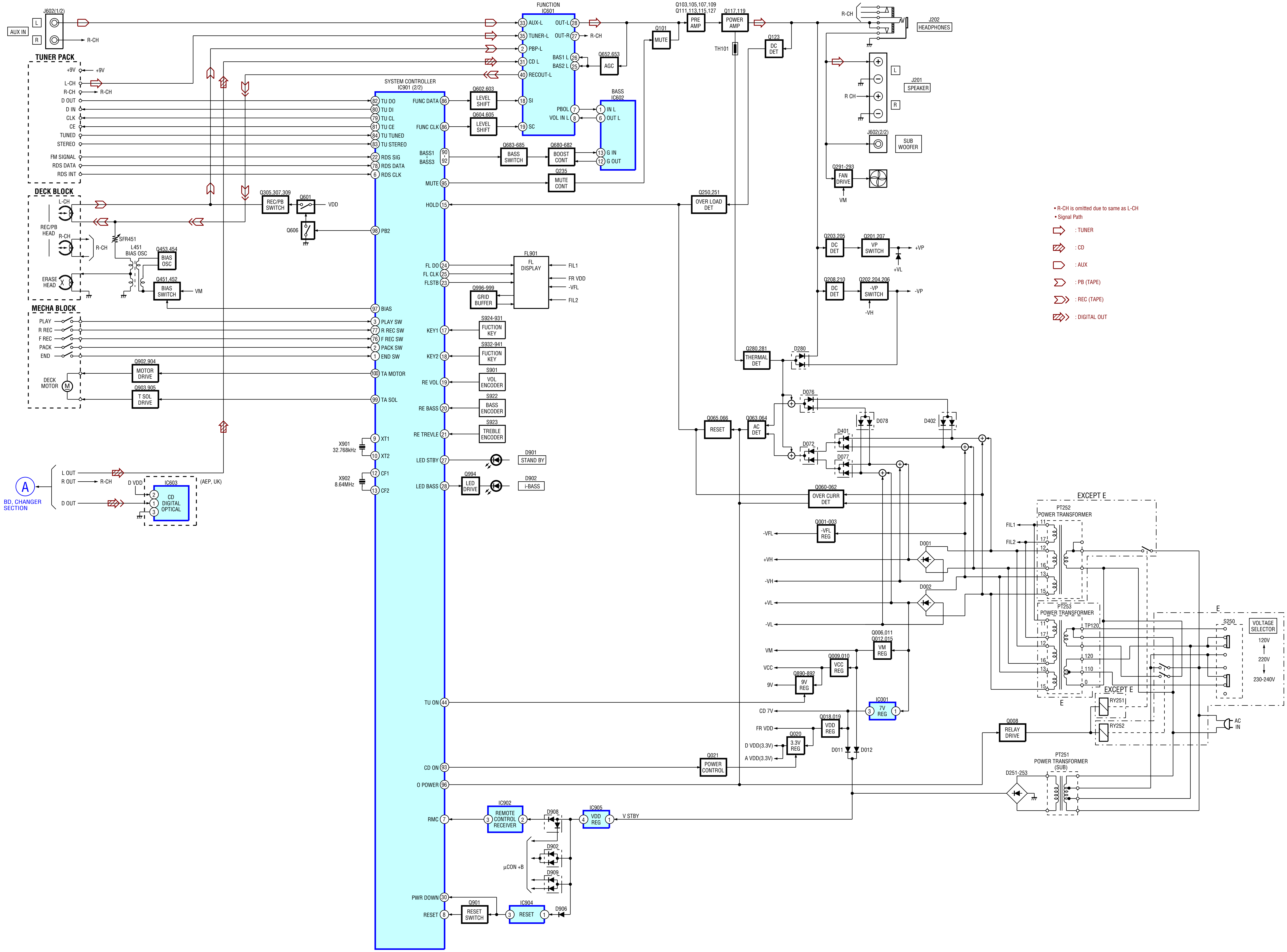




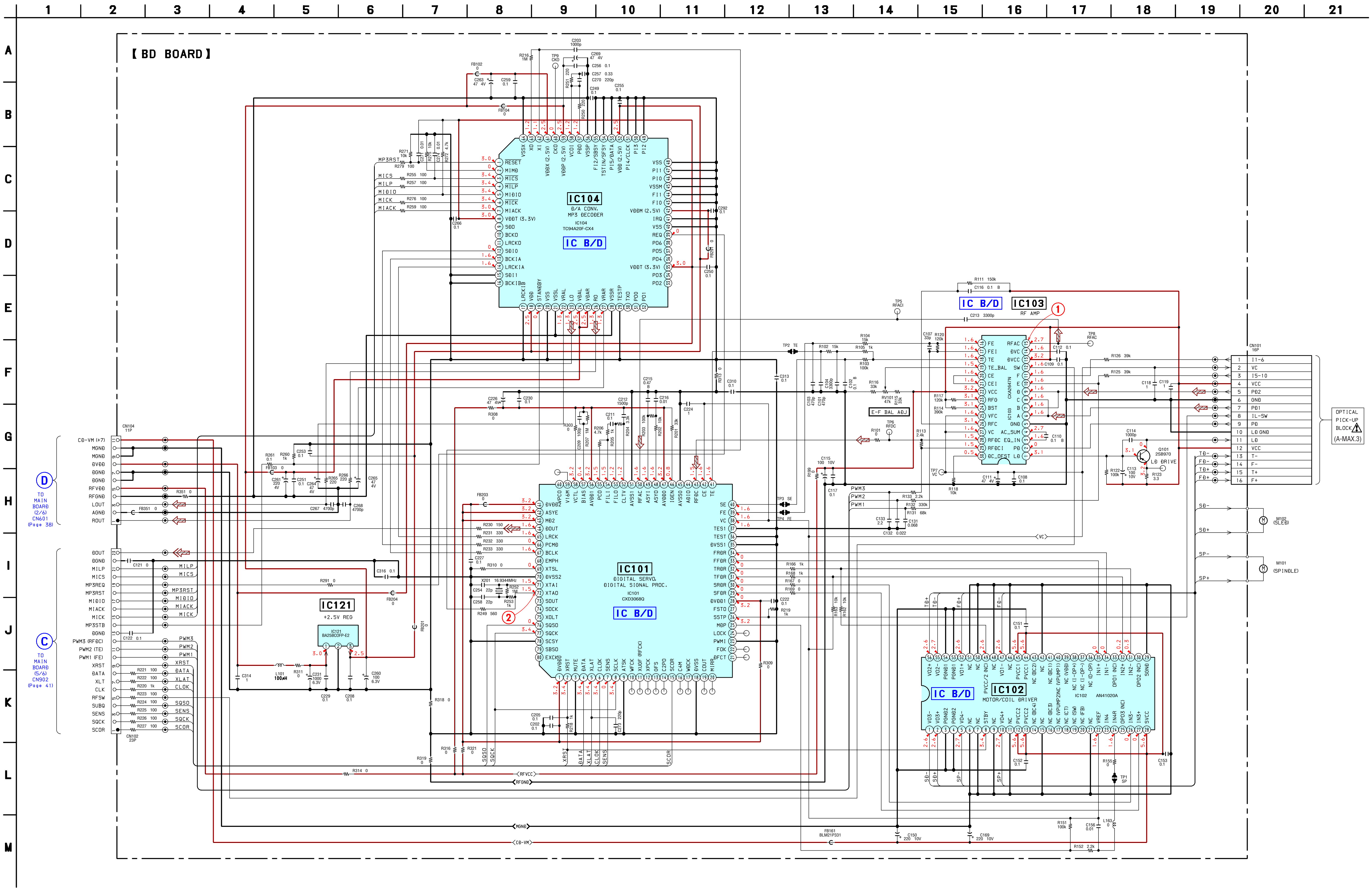
8-1. Block Diagram — BD, Changer Section —



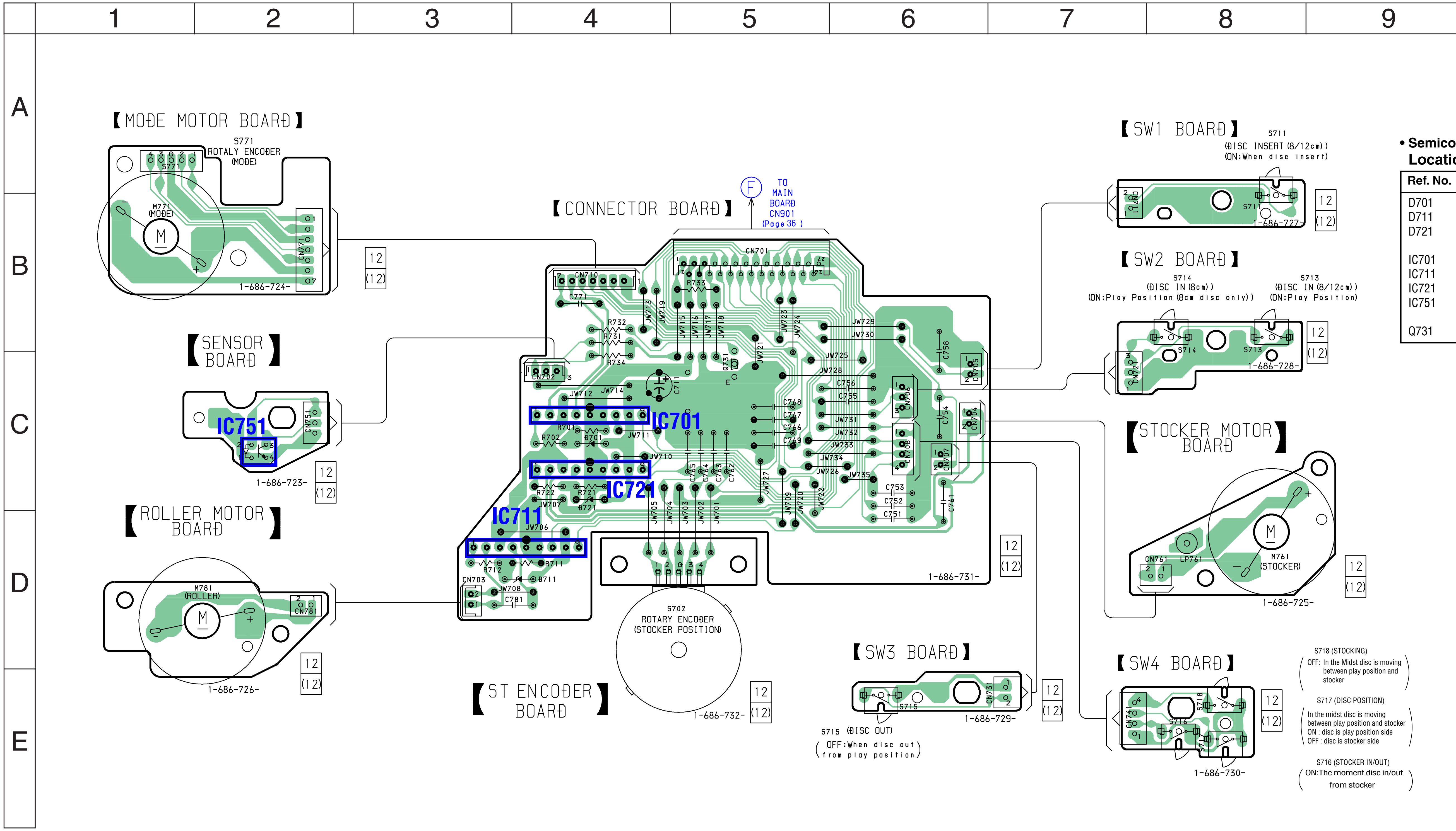
— Main Section —



8-3. Schematic Diagram — BD Section — • See page 44 for IC Block Diagrams. • See page 27 for Waveforms.



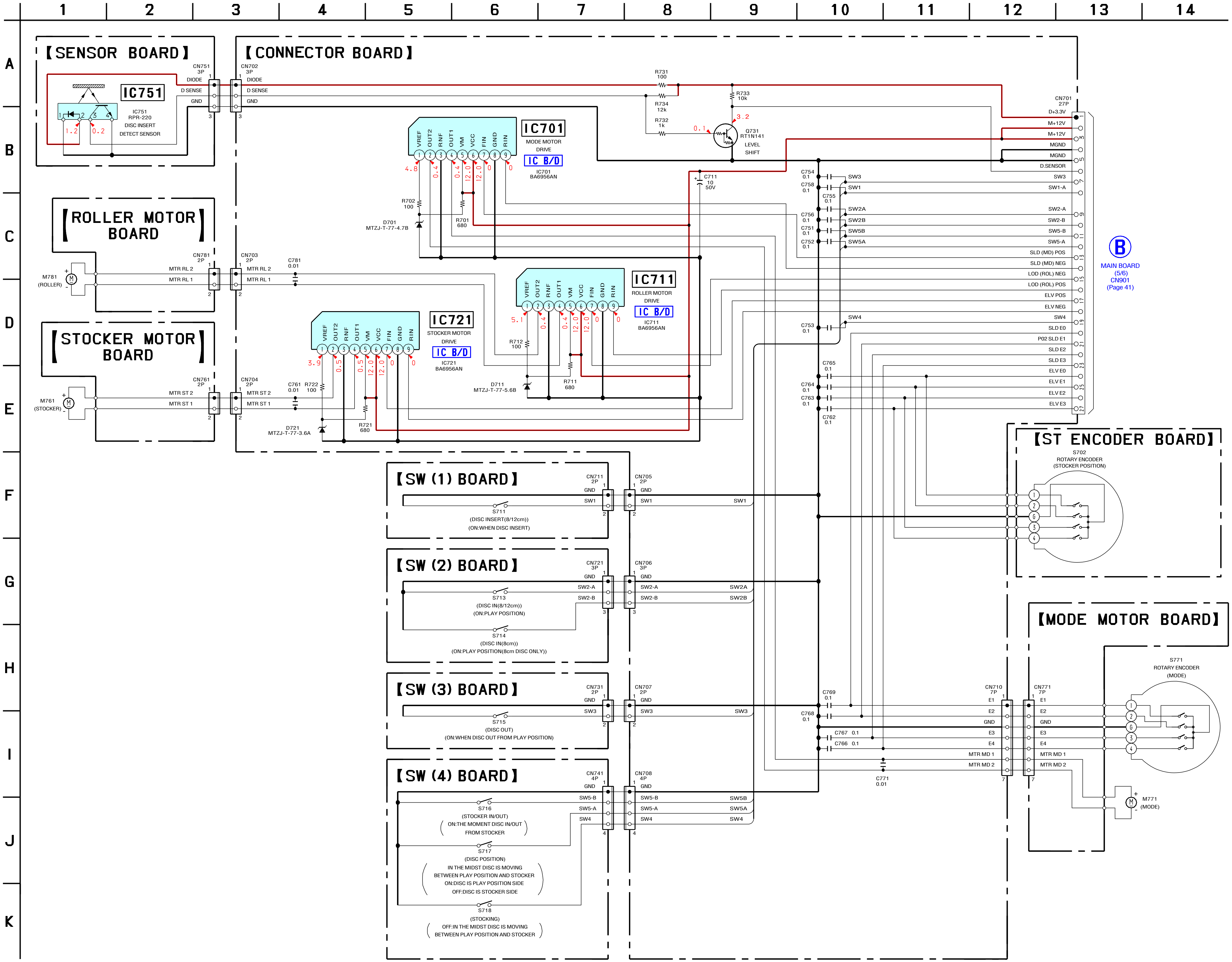
8-4. Printed Wiring Boards — Changer Section — • See page 27 for Circuit Boards Location. • LF : Uses unleaded solder.



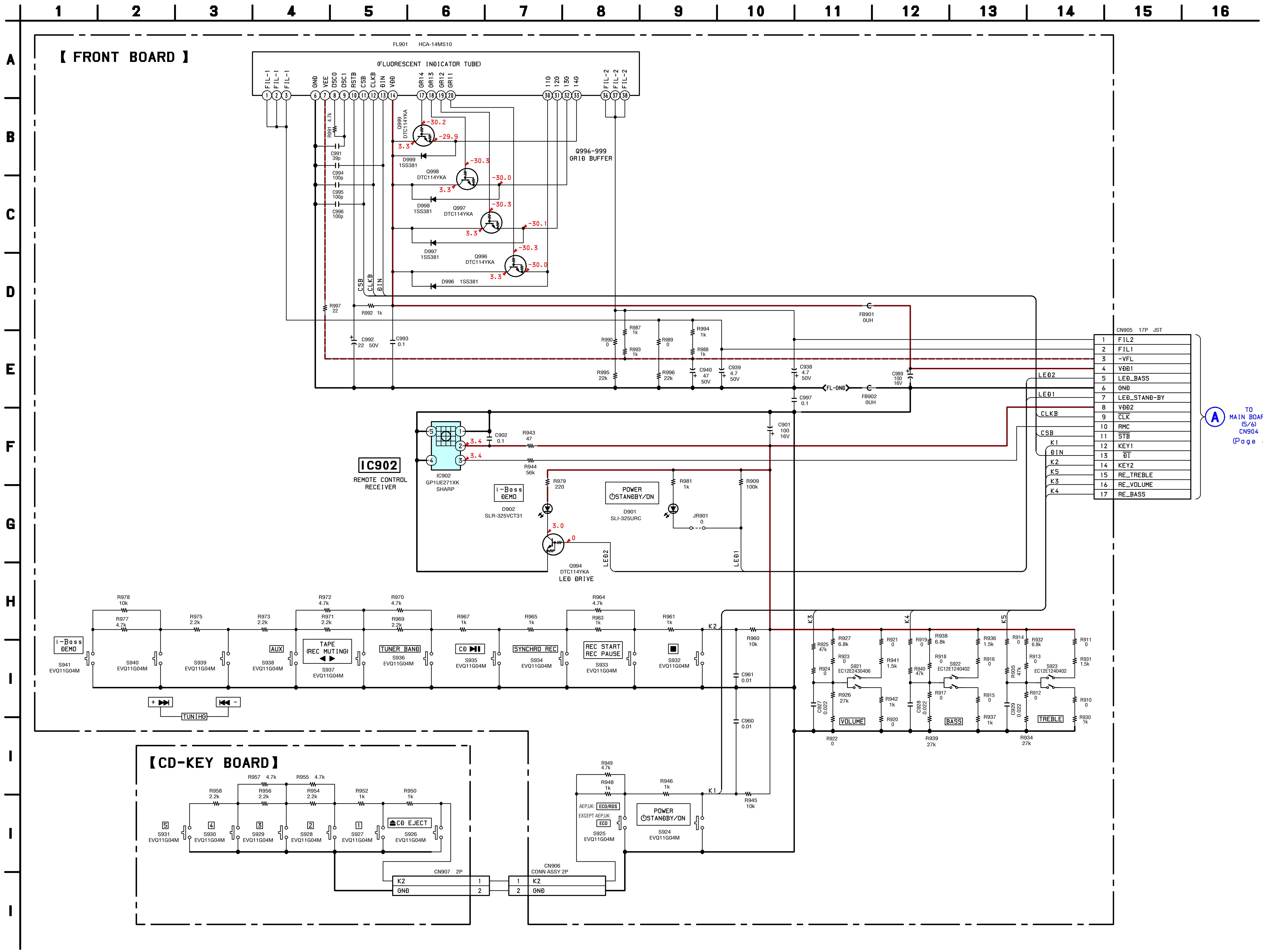
• **Semiconductor Location**

Ref. No.	Location
D701	C-4
D711	C-4
D721	C-4
IC701	C-4
IC711	D-4
IC721	C-4
IC751	C-2
Q731	B-5

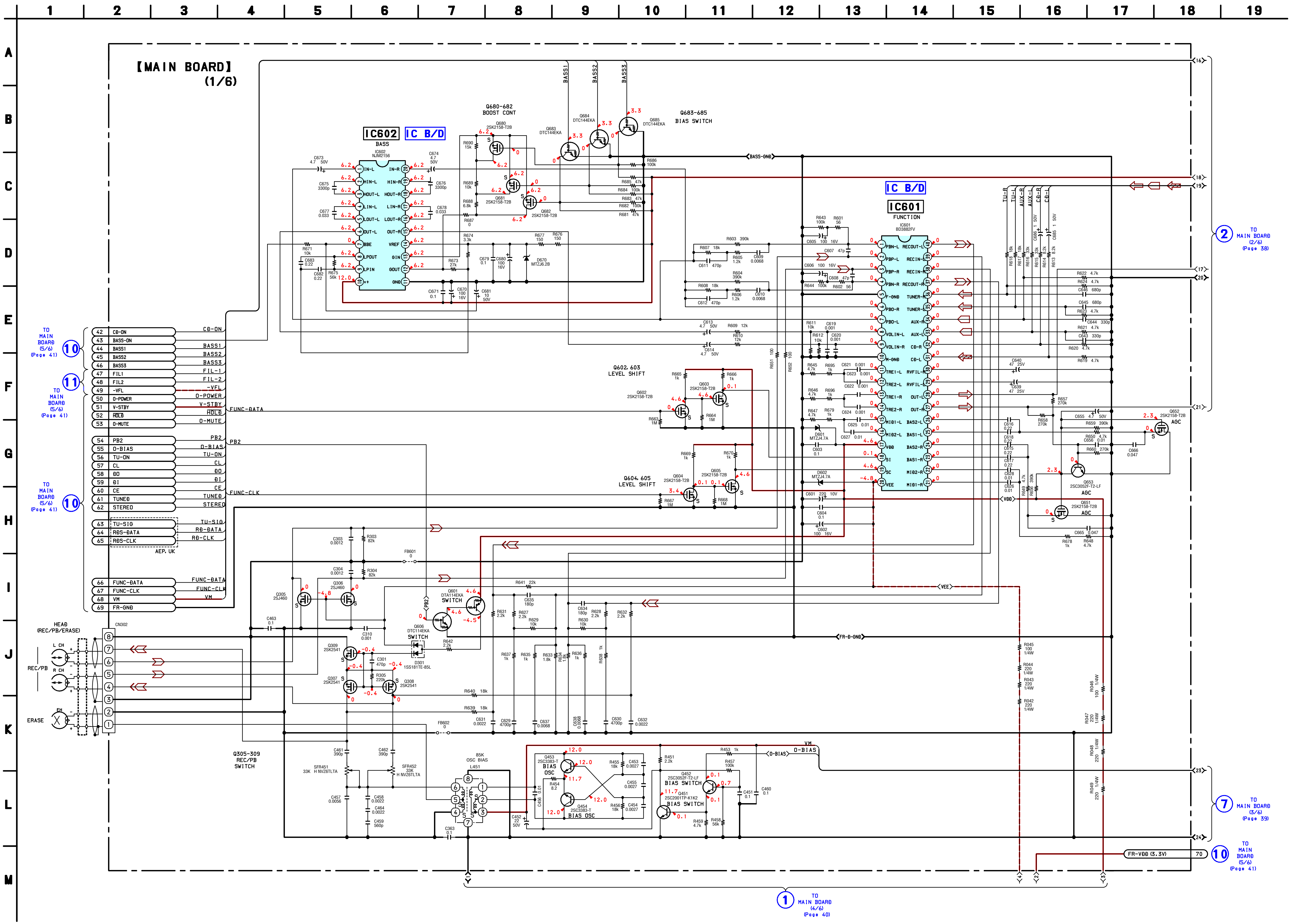
8-5. Schematic Diagram — Changer Section — • See page 46 for IC Block Diagrams.



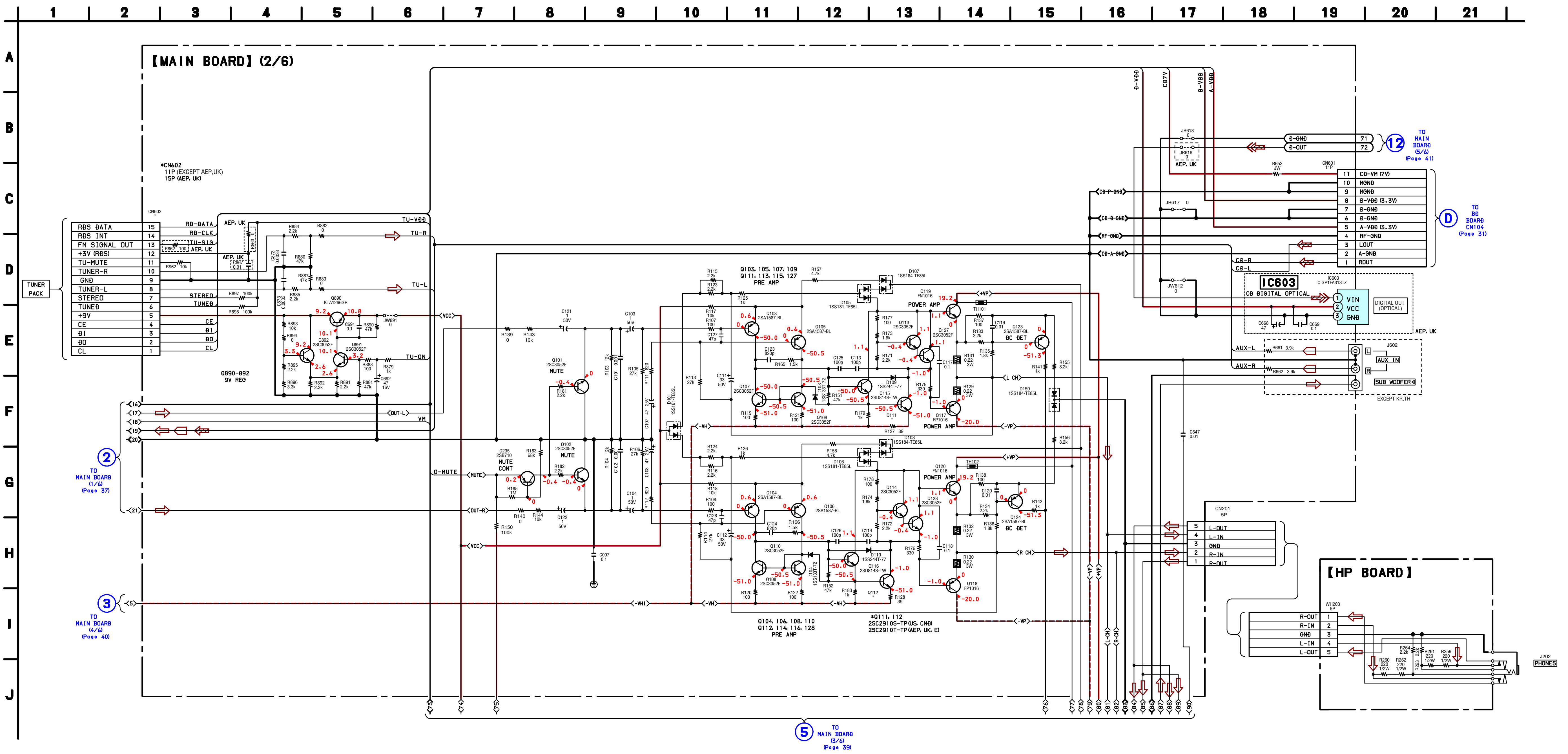
8-7. Schematic Diagram — Front Section —



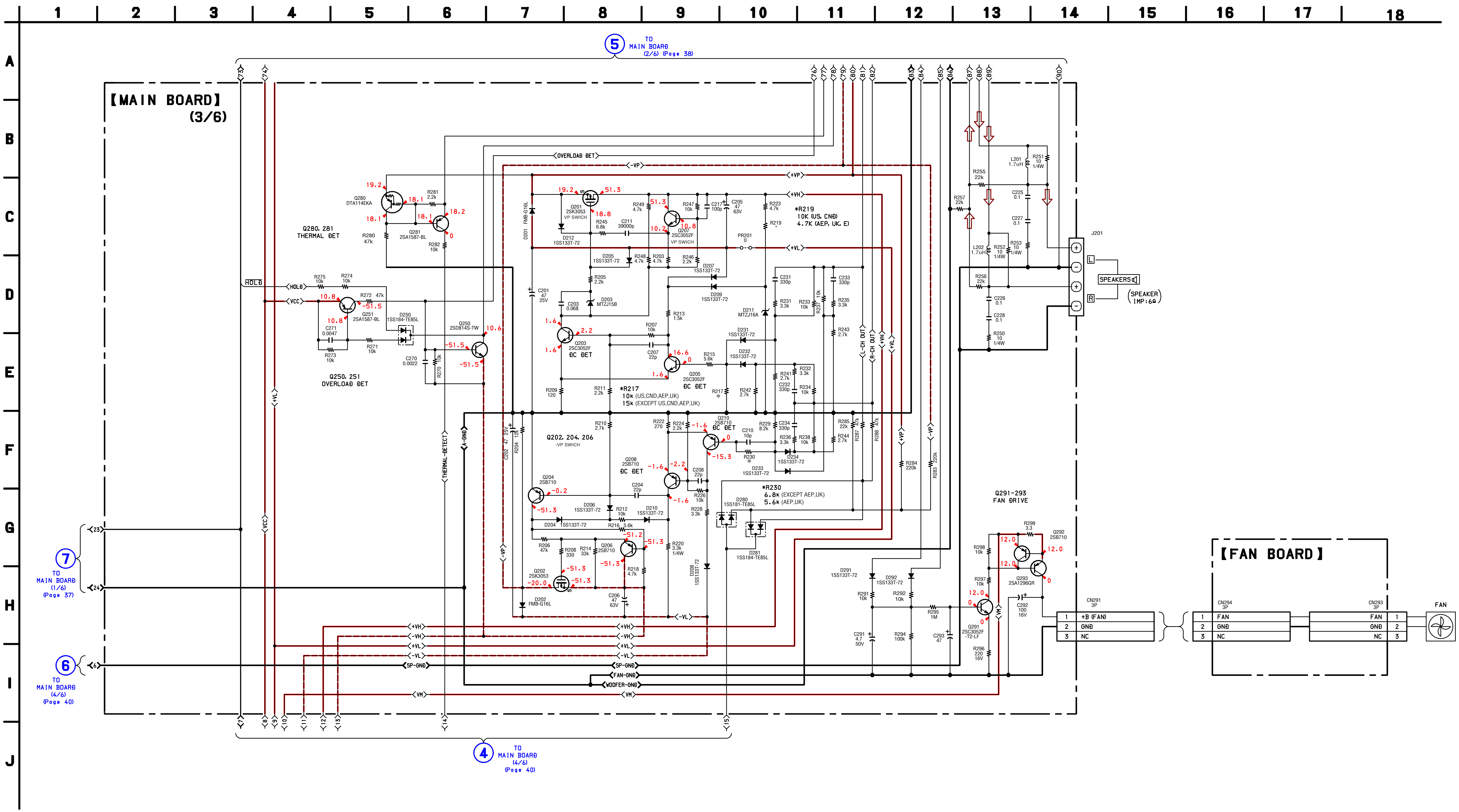
8-9. Schematic Diagram — Main Section 1 — • See page 46 for IC Block Diagrams.



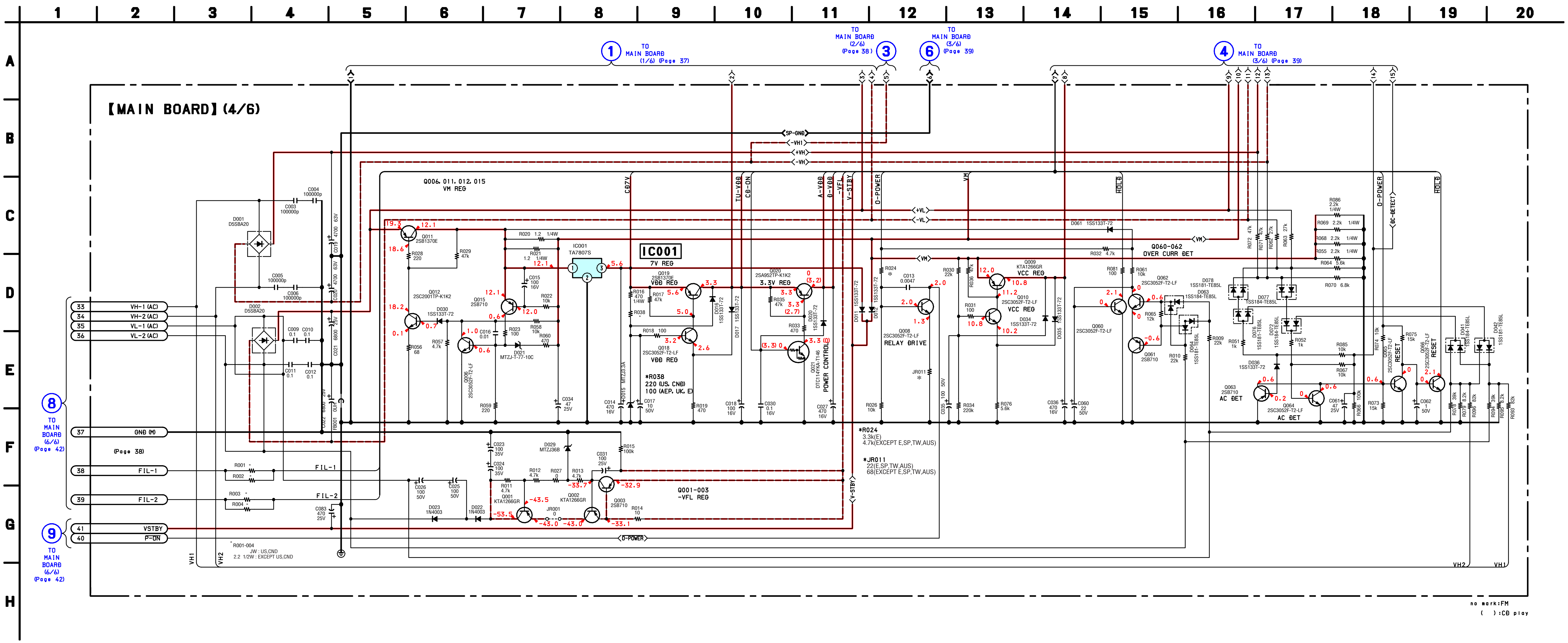
8-10. Schematic Diagram — Main Section 2 —



8-11. Schematic Diagram — Main Section 3 —

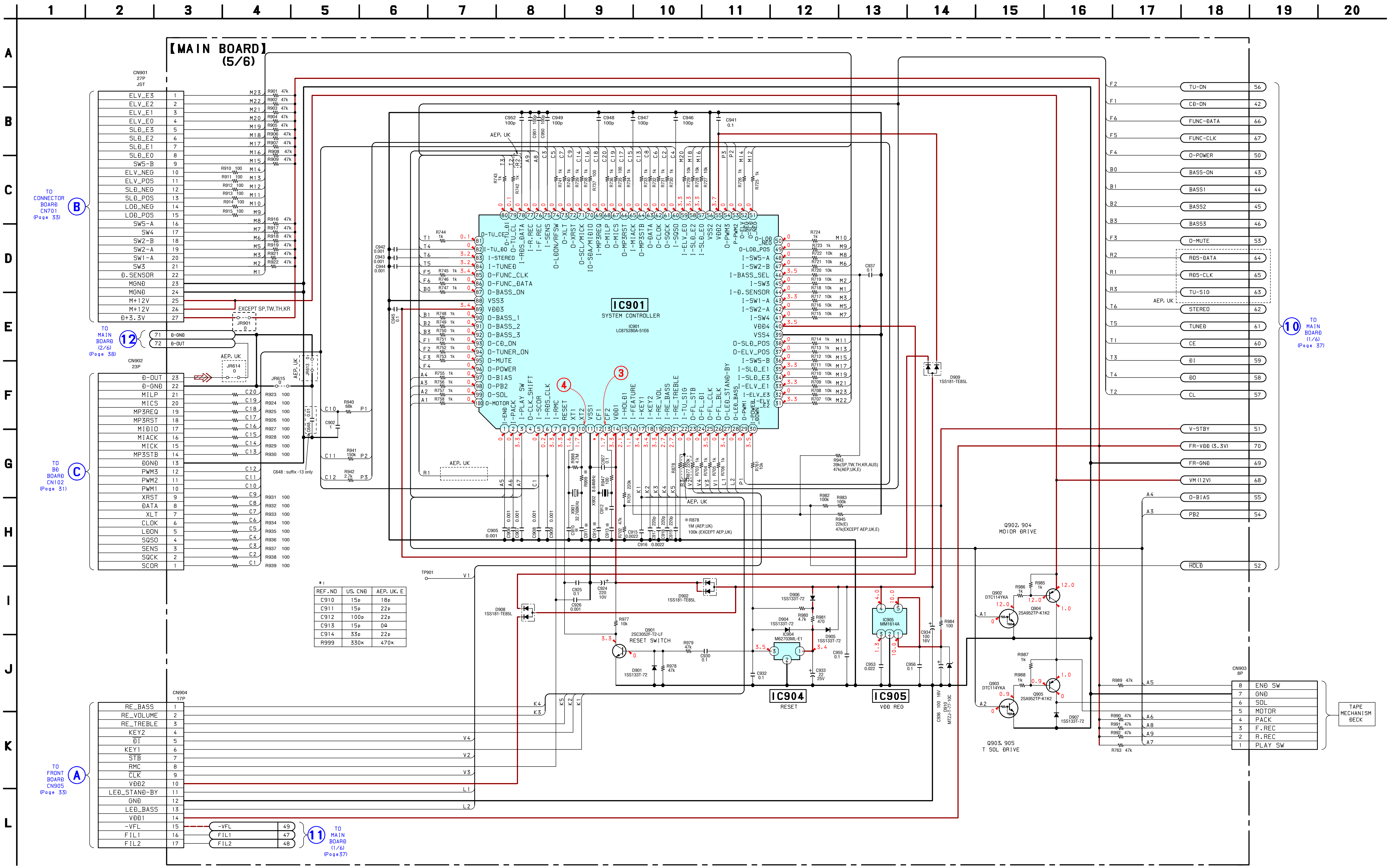


8-12. Schematic Diagram — Main Section 4 —



8-13. Schematic Diagram — Main Section 5 —

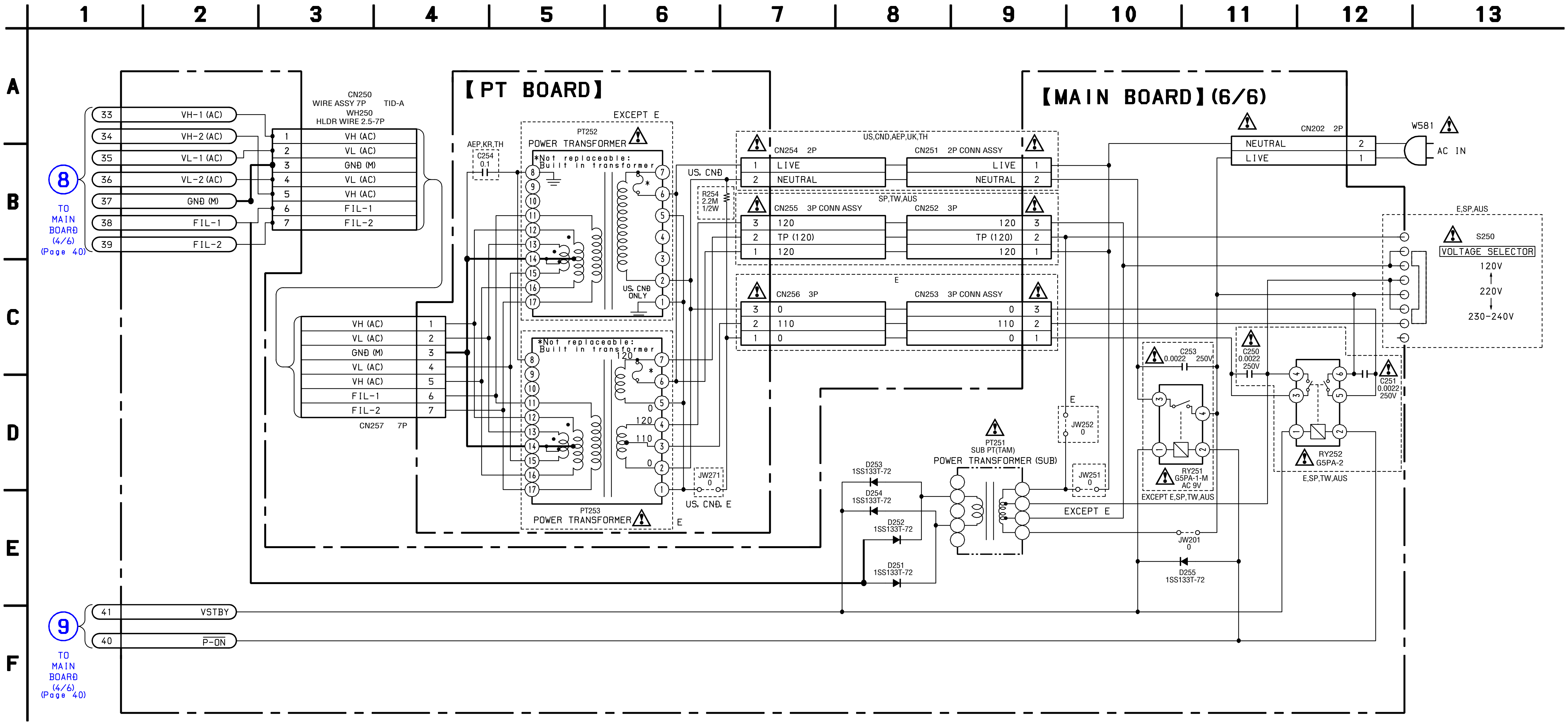
• See page 27 for Waveforms.



*:

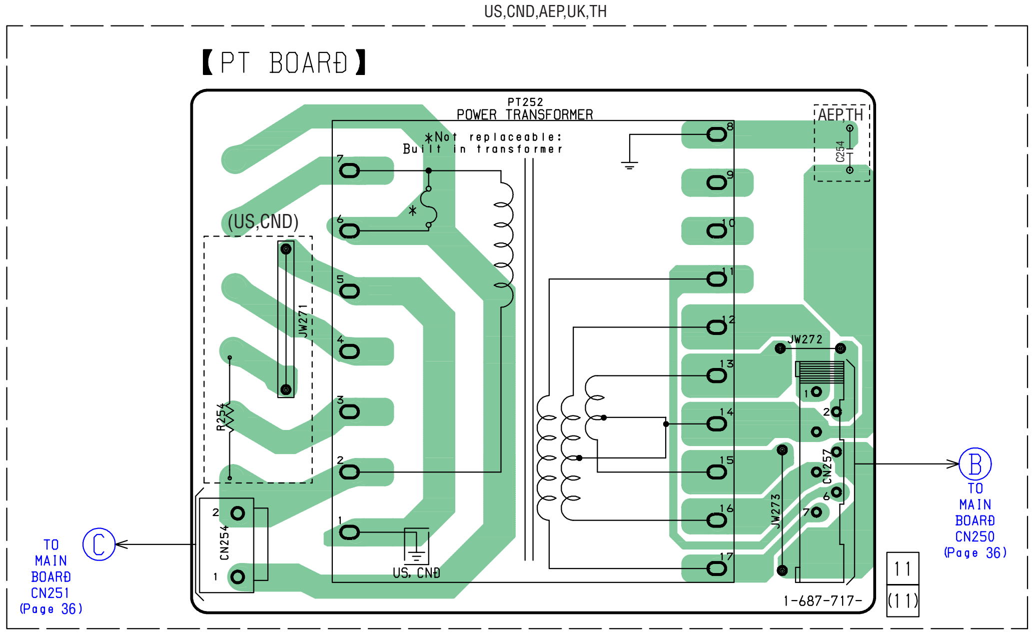
REF.NO	US, CND	AEP, UK, E
C910	15p	18p
C911	15p	22p
C912	100p	22p
C913	15p	0Ω
C914	33p	22p
R999	330k	470k

8-14. Schematic Diagram — Main Section 6/Power Section —

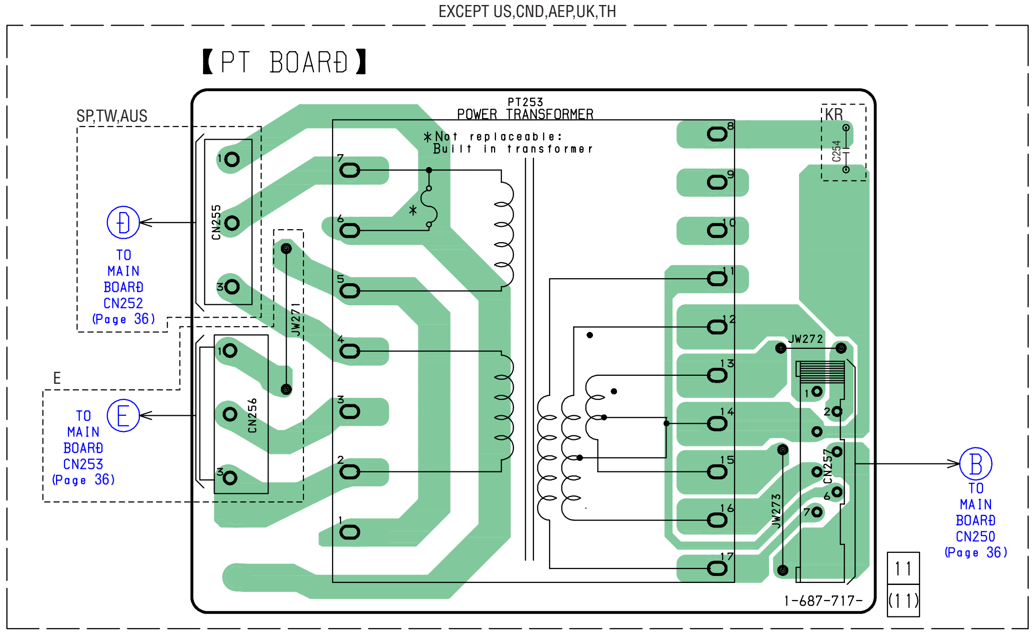


8-15. Printed Wiring Boards — Power Section — • See page 27 for Circuit Boards Location. • : Uses unleaded solder.

US,CND,AEP,UK,TH



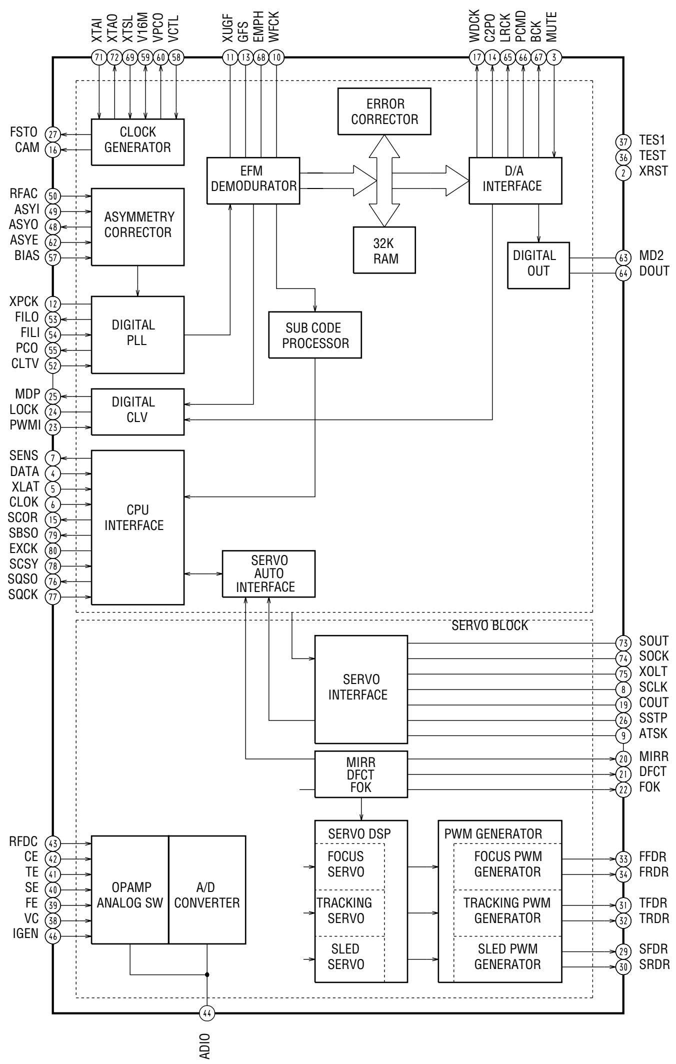
EXCEPT US,CND,AEP,UK,TH



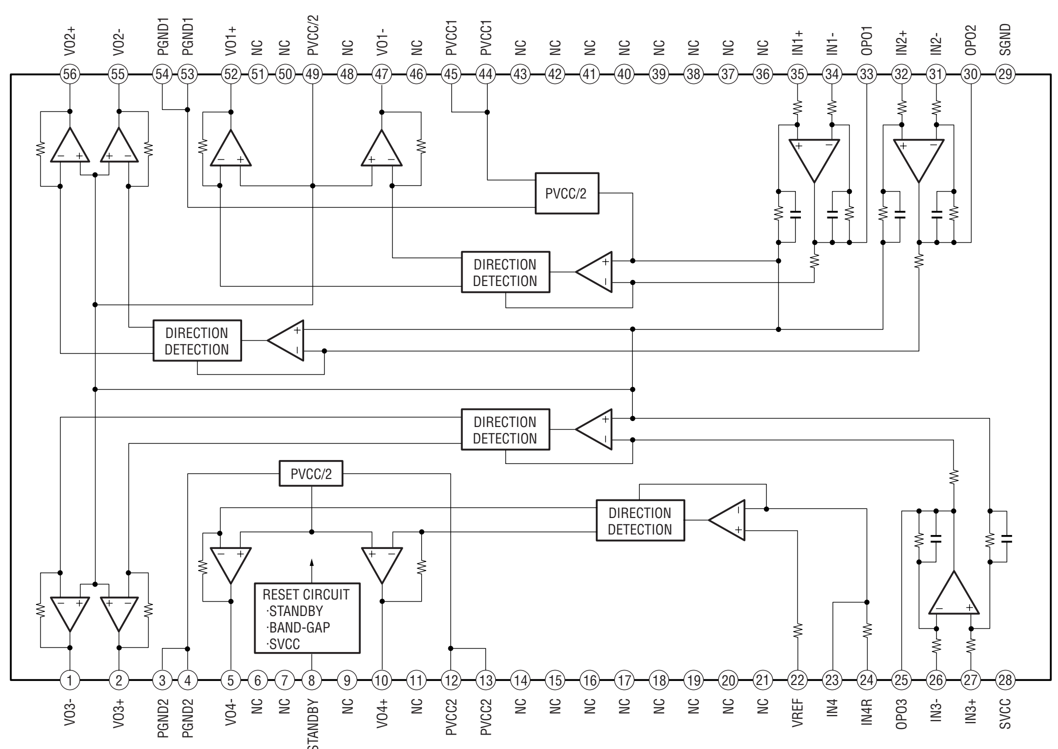
8-16. IC Block Diagrams

— BD Board —

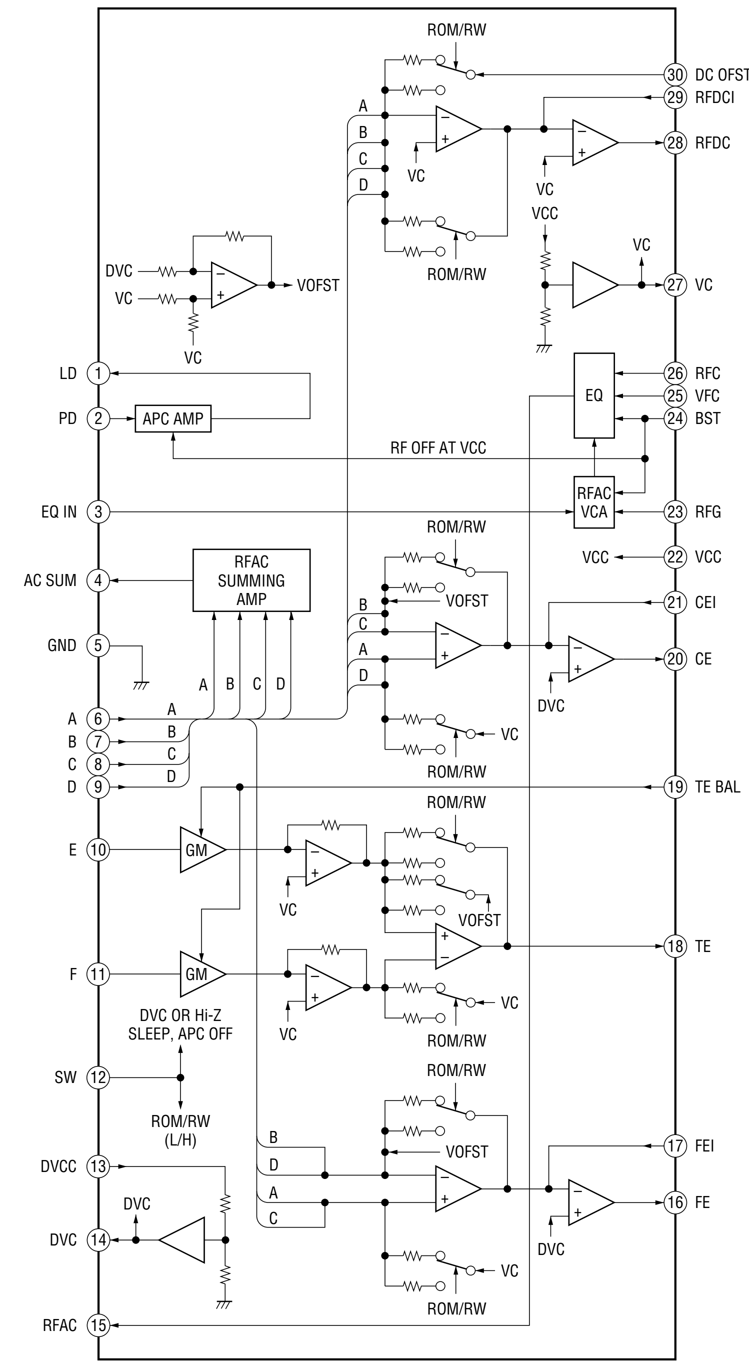
IC101 CXD3068Q



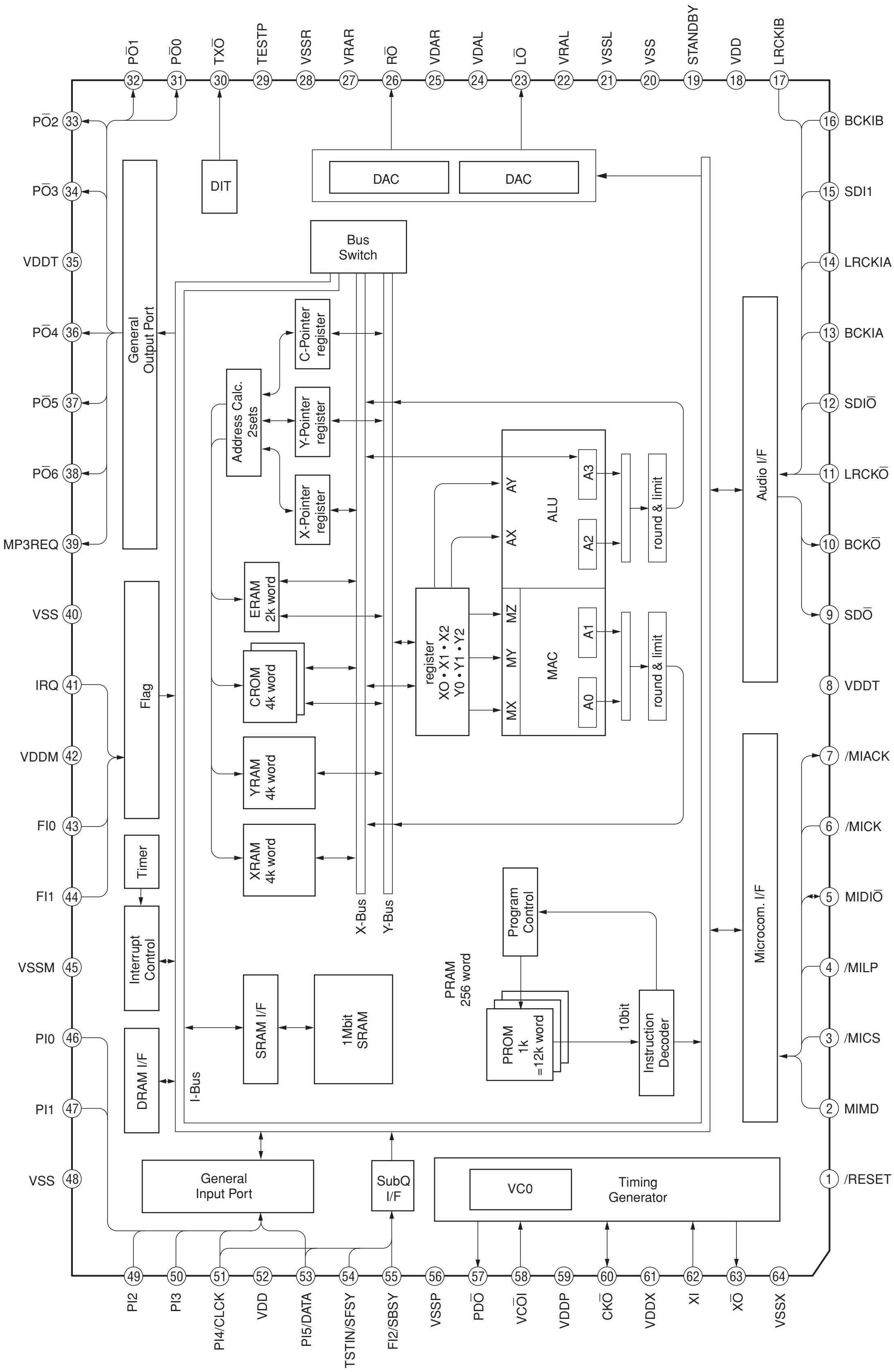
IC102 AN41020A



IC103 CXA2647N-T4

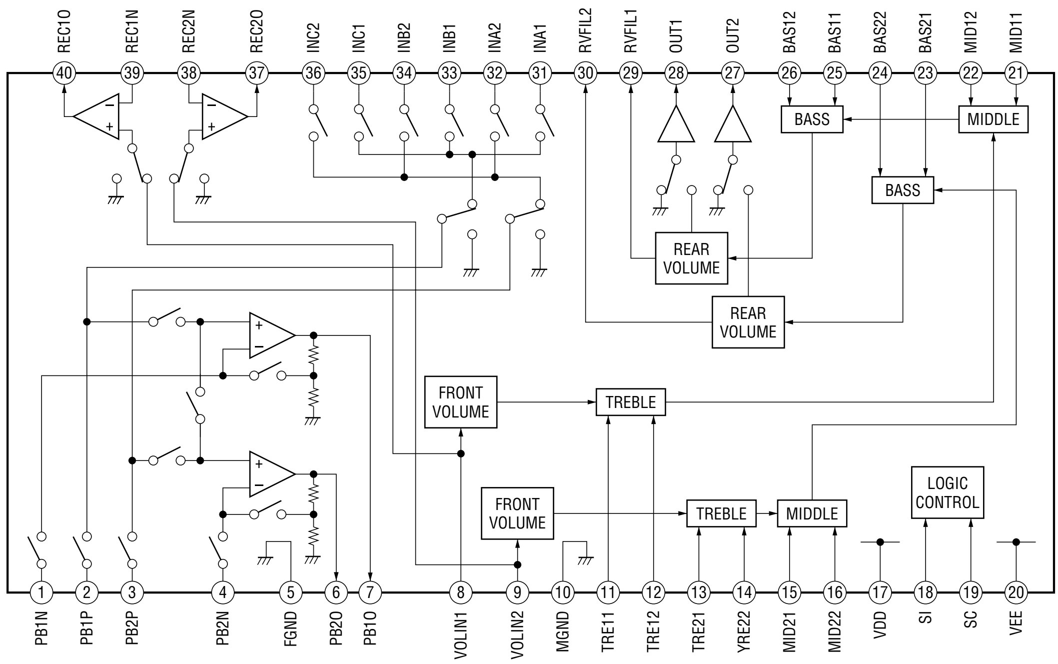


IC104 TC94A20F-CX4

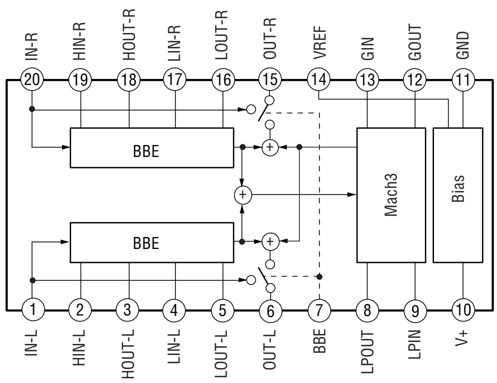


— MAIN Board —

IC601 BD3882FV

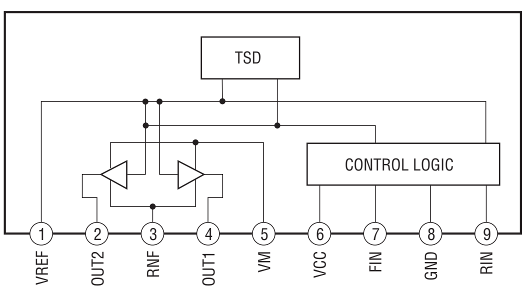


IC602 NJM2156M



— CONNECTOR Board —

IC701, 711, 721 BA6956AN



8-17. IC Pin Function Description

• IC901 LC875280A-51E6 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	I-END	I	END switch signal input from the tape deck
2	I-PACK	I	PACK switch signal input from the tape deck
3	I-PLAY SW	I	PLAY switch signal input from the tape deck
4	O-CLK_SHIFT	O	Clock shift signal output (not used)
5	I-SCOR	I	SCOR signal input from the CD unit
6	I-RDS_CLK	I	RDS signal input from the tuner
7	I-RMC	I	Remote control signal input from the remote sensor
8	RESET	I	Reset signal input
9	XT1	I	Oscillaion circuit signal input for the real time clock
10	XT2	O	Oscillaion circuit signal output for the real time clock
11	VSS1	—	Ground terminal
12	CF1	I	Oscillaion circuit signal input for the system main clock
13	CF2	O	Oscillaion circuit signal output for the system main clock
14	VDD1	—	Power supply terminal
15	I-HOLD1	I	Voltage detection signal input
16	I-FEATURE	I	Destination setting input trminal
17	I-KEY1	I	Key input 1
18	I-KEY2	I	Key input 2
19	I-RE_VOL	I	Volume signal input from the rotary encoder
20	I-RE_BASS	I	Bass signal input from the rotary encoder
21	I-RE_TREBLE	I	Treble signal input from the rotary encoder
22	I-TU_SIG	I	Tuning signal level input from the tuner
23	O-FL_STB	O	Latch signal output to the fluorescent indicator tube
24	O-FL_DI	O	Data output to the fluorescent indicator tube
25	O-FL_CLK	O	Clock signal output to the fluorescent indicator tube
26	O-FL_BLK	O	Not used (open)
27	O-LED_STAND-BY	O	Standby LED control signal output (“L” : active)
28	O-LED_BASS	O	LED (i-Bass/DEMO) control signal output
29	O-PWM1	O	PWM signal output for focus offset adjustment
30	I-POWER_DOWN	I	Power down detection signal input
31	I-ELV_E2	I	ELV_E2 switch signal input from the CD mechanism
32	I-ELV_E3	I	ELV_E3 switch signal input from the CD mechanism
33	I-ELV_E1	I	ELV_E1 switch signal input from the CD mechanism
34	I-SLD_E3	I	SLD_E3 switch signal input from the CD mechanism
35	I-SLD_E1	I	SLD_E1 switch signal input from the CD mechanism
36	I-SW5-B	I	SW5-B switch signal input from the CD mechanism
37	O-ELV_POS	O	Elevator motor control signal output
38	O-SLD_POS	O	Sled motor control signal output
39	VSS4	—	Ground terminal
40	VDD4	—	Power supply terminal
41	I-SW4	I	SW4 switch signal input from the CD mechanism
42	I-SW2-A	I	SW2-A switch signal input from the CD mechanism
43	I-SW1-A	I	SW1-A switch signal input from the CD mechanism
44	I-D.SENSOR	I	Disc sensor signal input
45	I-SW3	I	SW3 switch signal input from the CD mechanism
46	I-BASS_SEL	I	Bass initial setting input terminal
47	I-SW2-B	I	SW2-B switch signal input from the CD mechanism
48	I-SW5-A	I	SW5-A switch signal input from the CD mechanism
49	O-LOD_POS	O	Loading motor control signal output
50	O-LOD_NEG	O	Loading motor control signal output

Pin No.	Pin Name	I/O	Description
51	O-SLD_NEG	O	Sled motor control signal output
52	O-ELV_NEG	O	Elevator motor control signal output
53	O-PWM2	O	PWM signal output for tracking offset adjustment
54	O-PWM3	O	PWM signal output for RF offset adjustment
55	VDD2	—	Power supply terminal
56	VSS2	—	Ground terminal
57	I-SLD_E0	I	SLD_E0 switch signal input from the CD mechanism
58	I-SLD_E2	I	SLD_E2 switch signal input from the CD mechanism
59	I-ELV_E0	I	ELV_E0 switch signal input from the CD mechanism
60	I-SQSO	I	Sub-Q data input from the CD unit
61	O-SQCK	O	Sub-Q clock output to the CD unit
62	O-CLOK	O	Clock output to the CD unit
63	O-DATA	O	Data output to the CD unit
64	O-MP3STB	O	Strobe signal output to the MP3 IC
65	I-MIACK	I	Acknowledge signal input from the MP3 IC
66	O-MP3RST	O	Reset signal output to the MP3 IC
67	O-MICS	O	Chip select signal output to the MP3 IC
68	O-MILP	O	Latch pulse signal output to the MP3 IC
69	I-MP3REQ	I	Request signal input from the MP3 IC
70	IO-SDA/MIDIO	I/O	Data input/output from/to the MP3 IC
71	O-SCL/MICK	O	Clock output to the MP3 IC
72	O-XRST	O	Reset signal output to the CD unit
73	O-XLT	O	Control data latch signal output to the CD unit
74	O-LDON/RFSW	O	RF gain selection signal output to the CD unit
75	I-SENS	I	SENS signal input from the CD unit
76	I-F.REC	I	Record protect detect switch signal input (front)
77	I-R.REC	I	Record protect detect switch signal input (rear)
78	I-RDS_DATA	I	RDS data input from the tuner
79	O-TU_CL	O	Clock output to the tuner
80	O-TU_DI	O	Data output to the tuner
81	O-TU_CE	O	Latch signal output to the tuner
82	I-TU_DO	I	Data input from the tuner
83	I-STEREO	I	Stereo detection signal input from the tuner
84	I-TUNED	I	Tuner tuned status signal input from the tuner
85	O-FUNC_CLK	O	Clock output to the function IC (IC601)
86	O-FUNC_DATA	O	Data output to the function IC (IC601)
87	O-BASS_ON	O	On/off control signal output for i-Bass
88	VSS3	—	Ground teminal
89	VDD3	—	Power supply terminal
90	O-BASS_1	O	Level control signal output for i-Bass
91	O-BASS_2	O	Level control signal output for i-Bass
92	O-BASS_3	O	Level control signal output for i-Bass
93	O-CD_ON	O	CD power supply control signal output
94	O-TUNER_ON	O	Tuner power supply control signal output
95	O-MUTE	O	Muting control signal output to the power amplifier
96	O-POWER	O	Main power control signal output
97	O-BIAS	O	Bias control signal output to the tape deck
98	O-PB2	O	Playback selection signal output for the tape deck
99	O-SOL	O	Solenoid control signal output to the tape deck
100	O-MOTOR	O	Motor control signal output to the tape deck

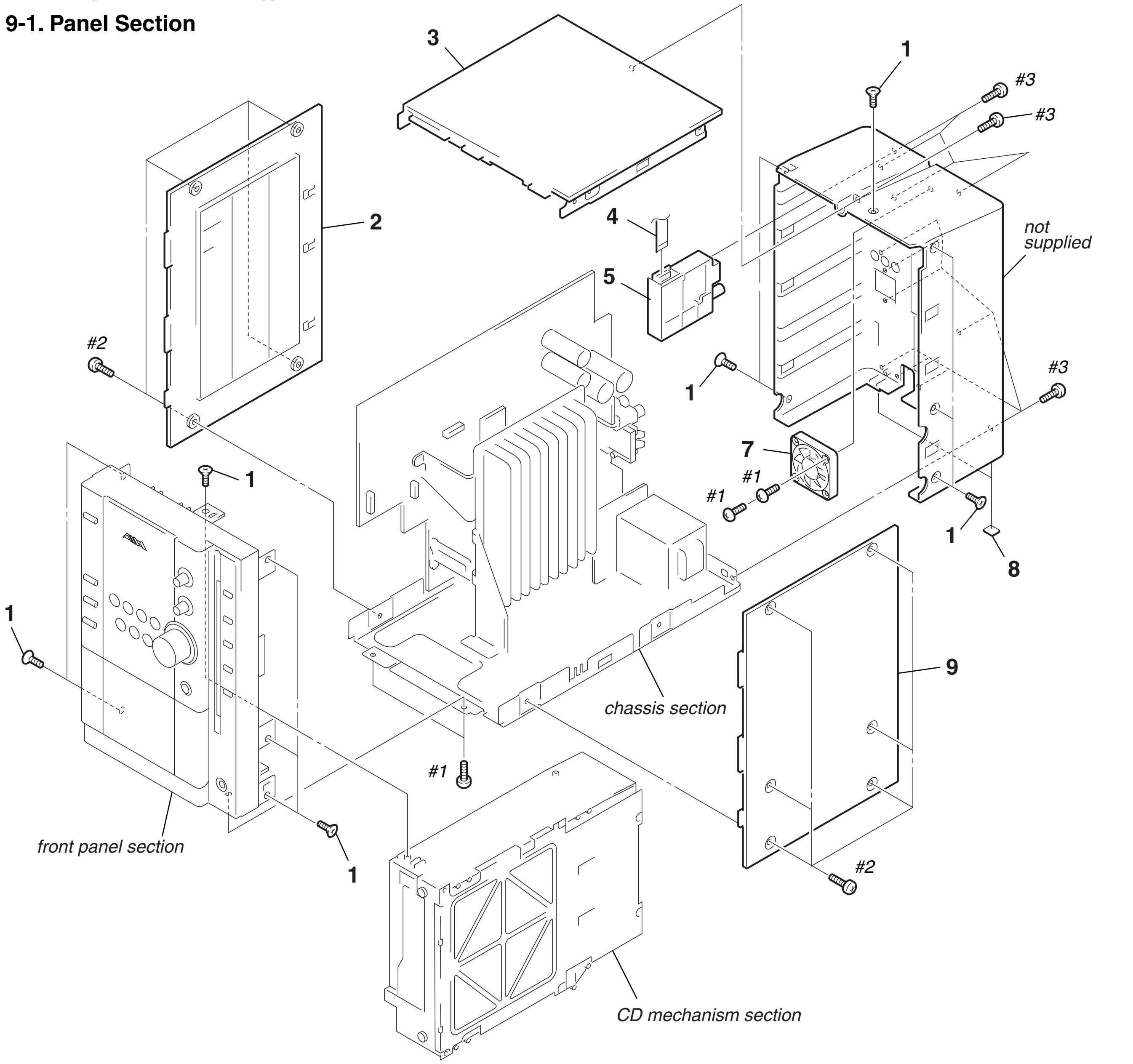
SECTION 9
EXPLODED VIEWS

NOTE:
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

- Abbreviation
  AUS : Australian model.
  CND : Canadian model.
  SP : Singapore model.
  TW : Taiwan model.
  KR : Korean model.
  TH : Thai model.

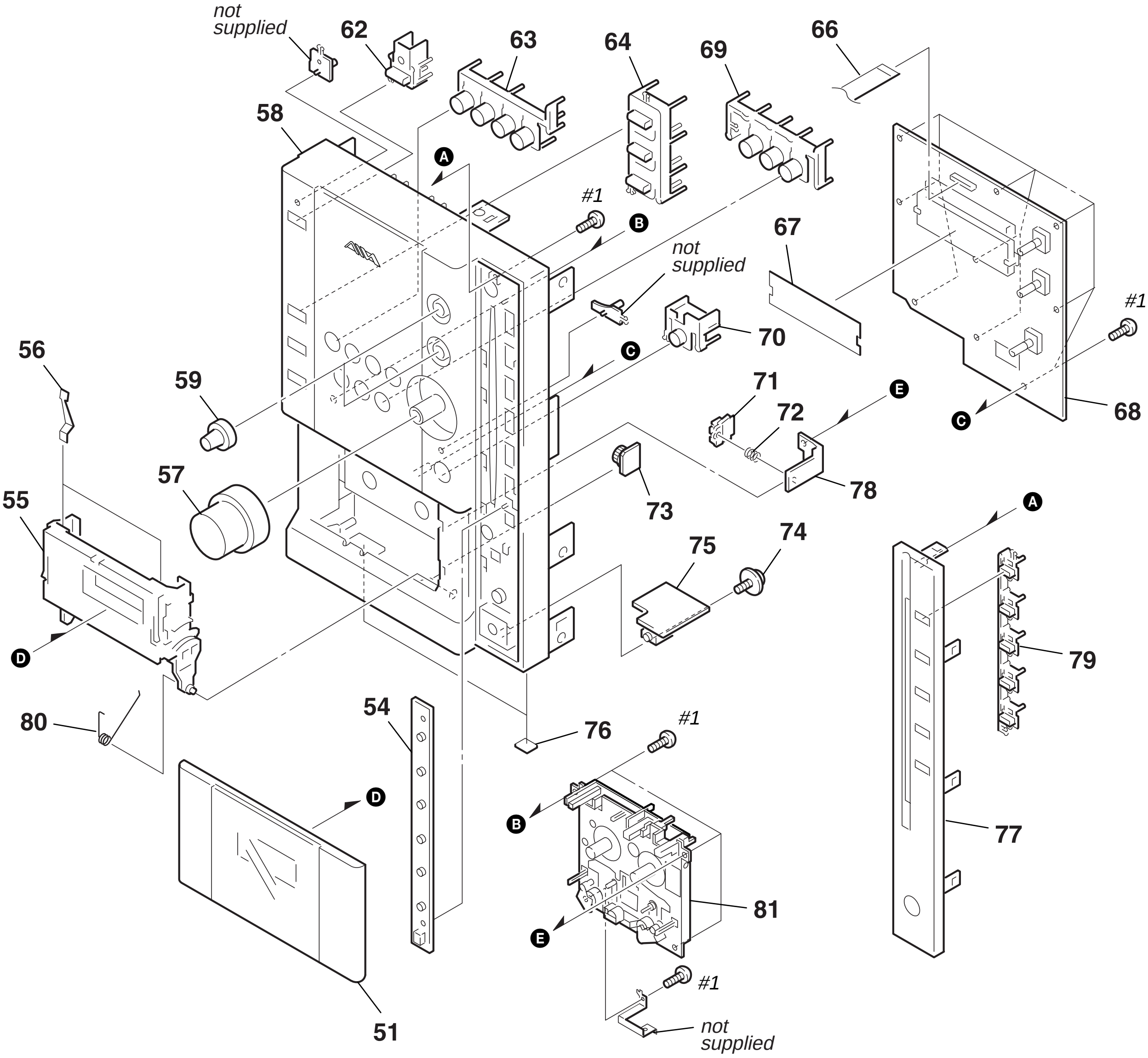
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

9-1. Panel Section



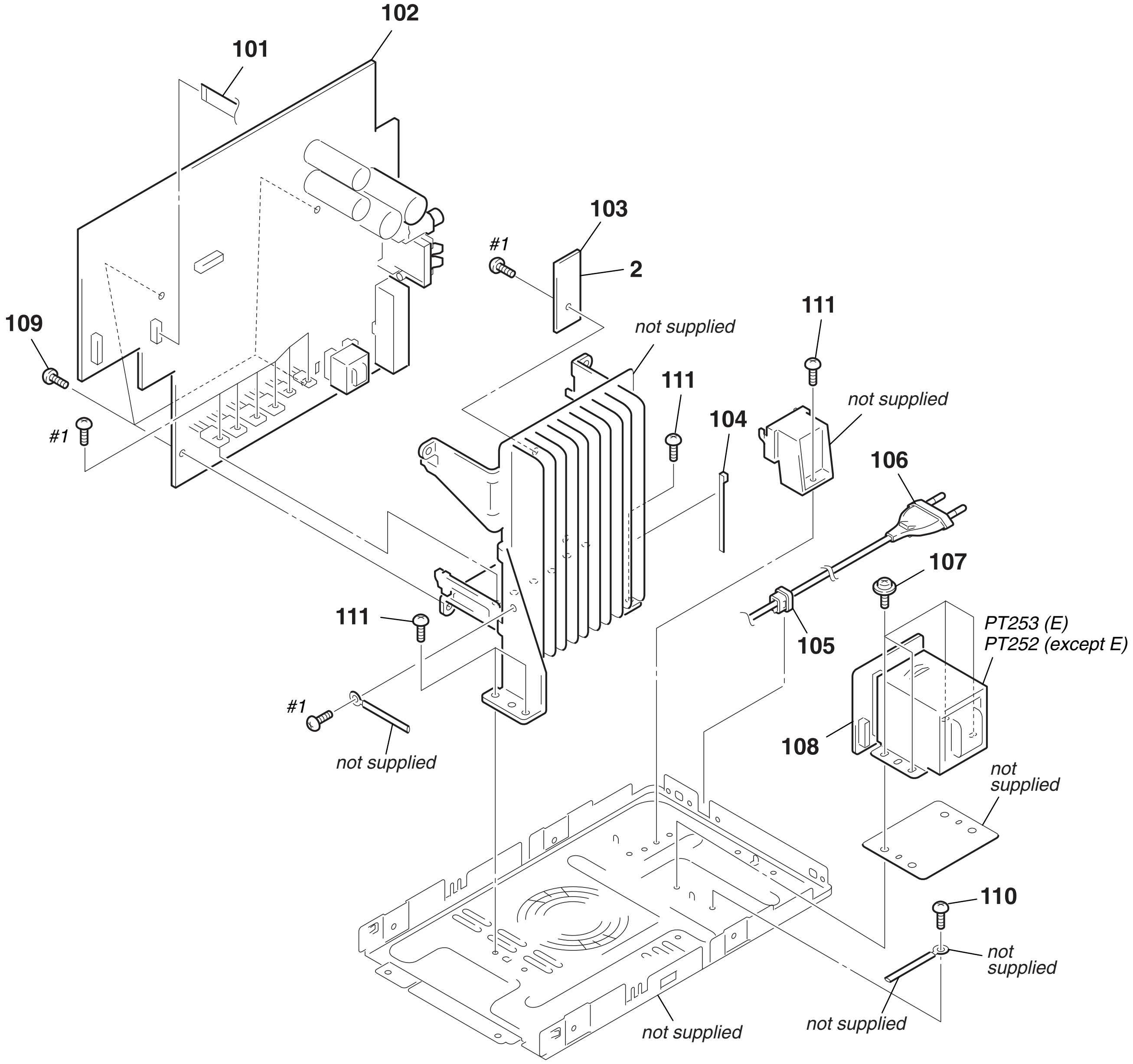
Ref. No.	Part No.	Description	Remark
1	4-242-531-01	SCREW QT2+3-10 W/O SLOT	
2	4-245-912-01	PANEL (L), SIDE (US,CND)	
2	4-245-912-11	PANEL (L), SIDE (AEP,UK,E,AUS,SP,KR)	
3	4-245-911-01	PANEL, TOP (US,CND)	
3	4-245-911-11	PANEL, TOP (AEP,UK,E,AUS,SP,KR)	
3	4-245-911-21	PANEL, TOP (TW,TH)	
4	1-773-007-11	WIRE (FLAT TYPE)(15CORE)(AEP,UK)	
4	1-769-943-11	WIRE (FLAT TYPE)(11CORE)(EXCEPT AEP,UK)	
5	1-693-603-11	TUNER (FM/AM)(E,AUS,SP,TW,TH)	
5	1-693-604-11	TUNER (FM/AM)(AEP,UK)	
5	1-693-605-11	TUNER (FM/AM)(KR)	
5	1-693-623-11	TUNER (FM/AM)(US,CND)	
⚠7	1-698-997-11	FAN, D.C.	
8	4-242-091-01	CUSHION	
9	4-245-913-01	PANEL (R), SIDE (US,CND)	
9	4-245-913-11	PANEL (R), SIDE (AEP,UK,E,AUS,SP,KR)	
9	4-245-913-21	PANEL (R), SIDE (TW,TH)	
#1	7-685-647-71	SCREW +BVTP 3X10 TYPE2 IT-3	
#2	7-685-647-14	SCREW +BVTP 3X10 TYPE2 N-S	
#3	7-685-647-79	+BVTP 3X10 TYPE2 IT-3	

9-2. Front Section



Ref. No.	Part No.	Description	Remark
51	X-4955-900-1	PANEL, CASS ASSY SERVICE	
54	1-687-719-11	CD-KEY BOARD	
55	4-245-916-01	HOLDER, CASSETTE	
56	4-238-631-01	TAPE SPRING (US)	
56	4-246-745-01	CASSETTE, SPRING (EXCEPT US)	
57	4-245-925-01	KNOB (VOL)	
58	X-4955-901-1	FRONT PANEL, ASSY SERVICE (US,CND)	
58	X-4955-899-1	FRONT PANEL, ASSY SERVICE (AEP,UK)	
58	X-4955-902-1	FRONT PANEL, ASSY SERVICE (EXCEPT US,CND,AEP,UK)	
59	4-245-926-01	KNOB (BT)	
62	4-245-919-01	BUTTON (POWER)	
63	4-245-922-01	BUTTON (FUN)	
64	4-245-921-01	BUTTON (ECO)	
66	1-790-074-11	WIRE (FLAT TYPE)(17 CORE)	
67	4-245-929-01	SHEET (FL)	
68	A-4732-974-A	FRONT BOARD, COMPLETE	
69	4-245-920-01	BUTTON (STOP)	
70	4-245-924-01	BUTTON (BASS)	
71	4-242-172-01	PLATE, LOCK	
72	4-242-173-01	SPR-C, LOCK	
73	4-242-171-01	DAMPER 150 N	
74	3-229-336-01	SCREW, +BVWH TAPPING	
75	1-687-716-11	HP BOARD	
76	4-242-091-01	CUSHION	
77	4-245-914-01	PANEL (CD)	
78	4-242-175-01	HLDR, LOCK2	
79	4-245-923-01	BUTTON (CD)	
80	4-245-938-01	SPRING (CASS), TORSION	
81	1-796-351-51	MECHANISM, SIGNAL CASSETTE (CMAL1Z240A)	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	

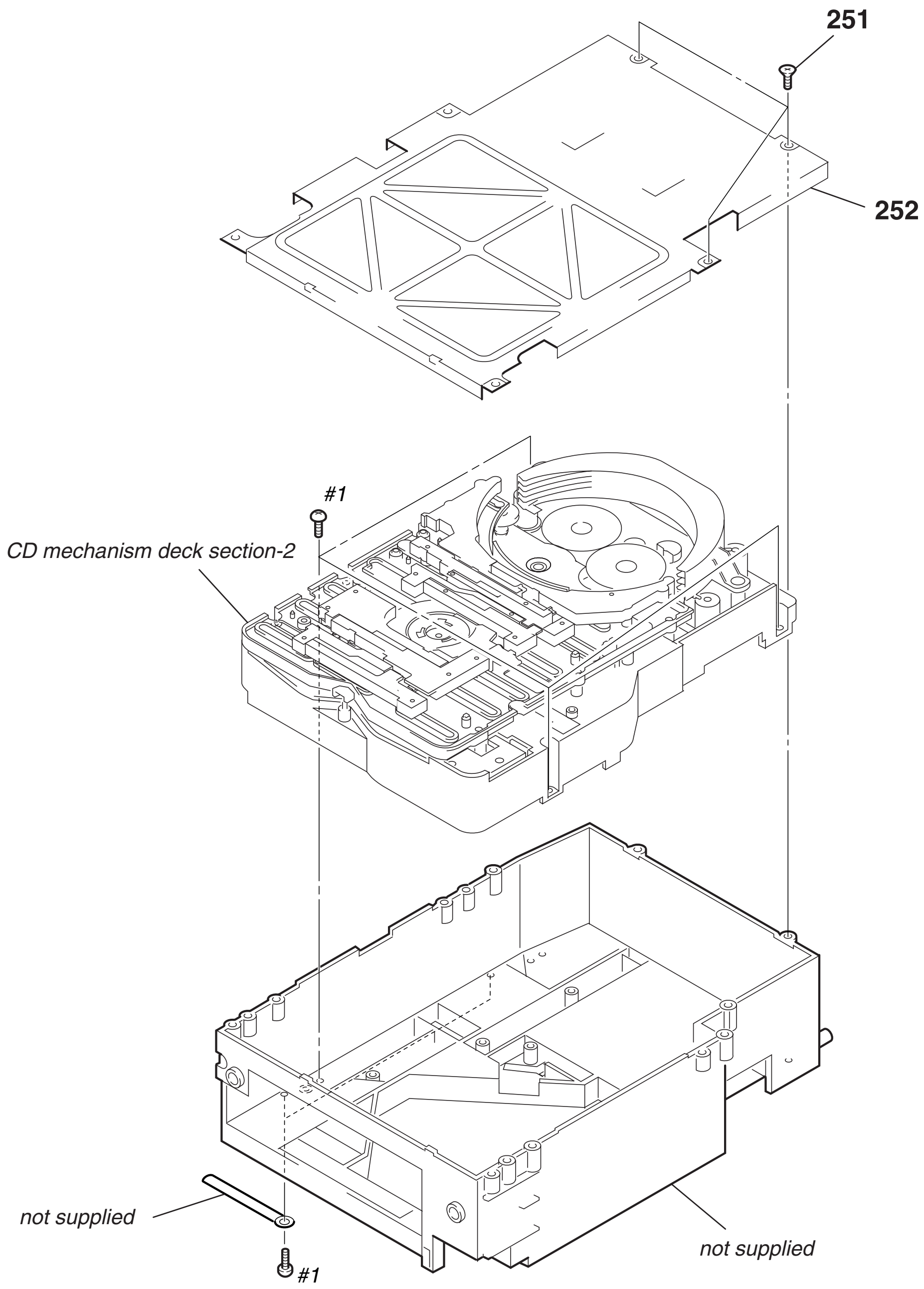
9-3. Chassis Section



Ref. No.	Part No.	Description	Remark
101	1-827-490-11	WIRE (FLAT TYPE)(8 CORE)	
102	A-4732-968-A	MAIN BOARD, COMPLETE (US,CND)	
102	A-4734-789-A	MAIN BOARD, COMPLETE (AEP,UK)	
102	A-4734-817-A	MAIN BOARD, COMPLETE (E)	
102	A-4747-822-A	MAIN BOARD, COMPLETE (AUS,SP)	
102	A-4748-116-A	MAIN BOARD, COMPLETE (TH)	
102	A-4748-600-A	MAIN BOARD, COMPLETE (KR)	
102	A-4748-602-A	MAIN BOARD, COMPLETE (TW)	
103	1-688-838-11	FAN BOARD	
104	4-059-585-01	TIE, CABLE	
105	3-703-244-00	BUSHING (2104), CORD	
⚠106	1-690-608-11	CORD, POWER (AUS)	
⚠106	1-769-079-22	CORD, POWER (KR)	
⚠106	1-769-744-52	CORD, POWER (AEP,UK,E,SP,TH)	
⚠106	1-783-531-11	CORD, POWER (US,CND,TW)	
107	4-242-526-01	S-SCREW, ITC+4-10 R	
108	1-687-717-11	PT BOARD	
109	4-242-356-01	S-SCREW, IT3B+3-8 CU	
110	3-970-608-01	SUMITITE (B3),+BV	
111	4-242-539-01	BVIT3B+3-8 RW/O	
⚠PT252	1-439-836-11	TRANSFORMER, POWER (US,TW)	
⚠PT252	1-439-836-12	TRANSFORMER, POWER (CND)	
⚠PT252	1-439-867-11	TRANSFORMER, POWER (AEP,UK)	
⚠PT253	1-439-974-11	TRANSFORMER, POWER (E,SP)	
⚠PT253	1-439-975-11	TRANSFORMER, POWER (AUS,KR,TH)	
#1	7-685-647-71	SCREW +BVTP 3X10 TYPE2 IT-3	

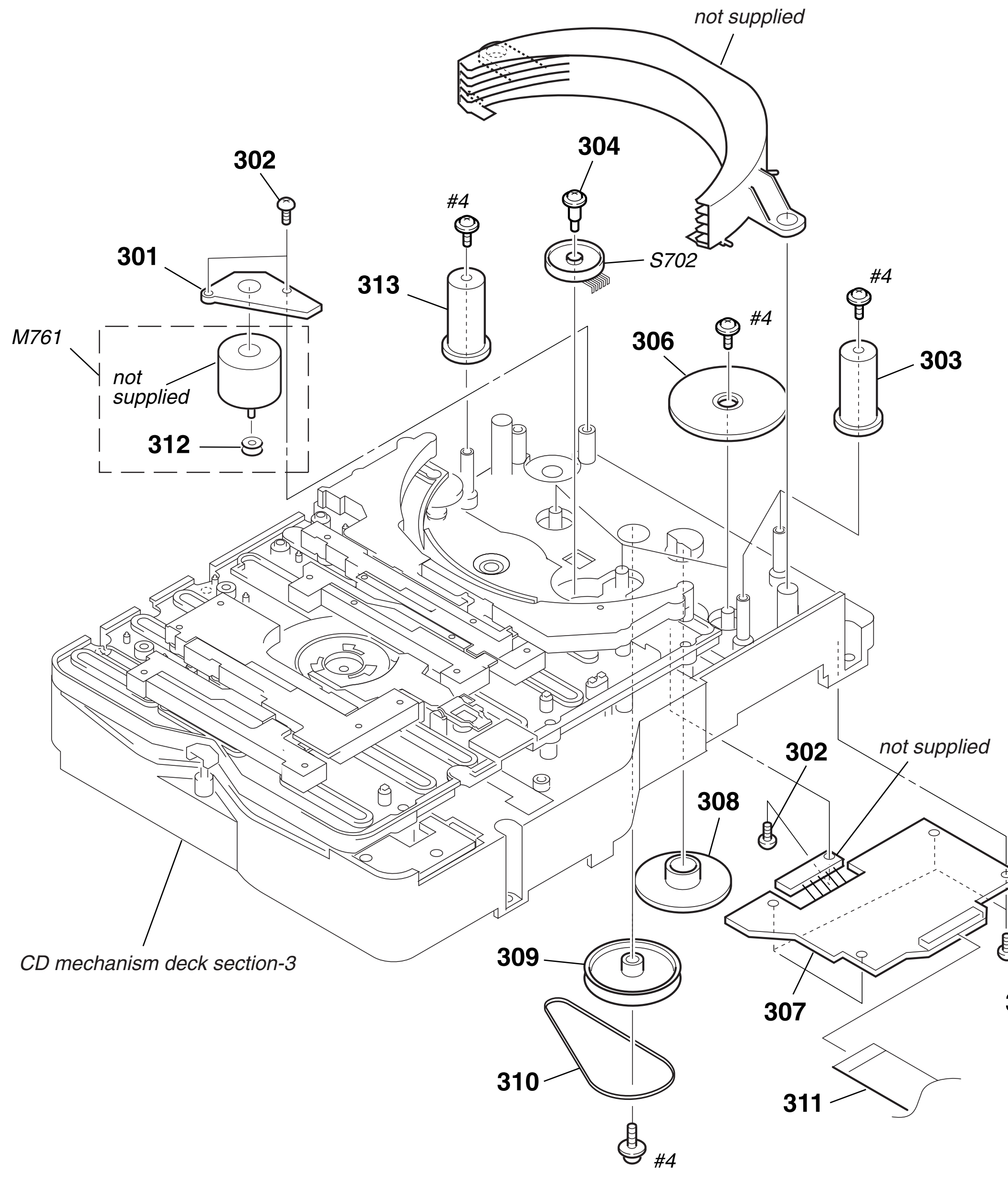
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

9-4. CD Mechanism Deck Section 1 (CDM69BV-30CBD64NS)



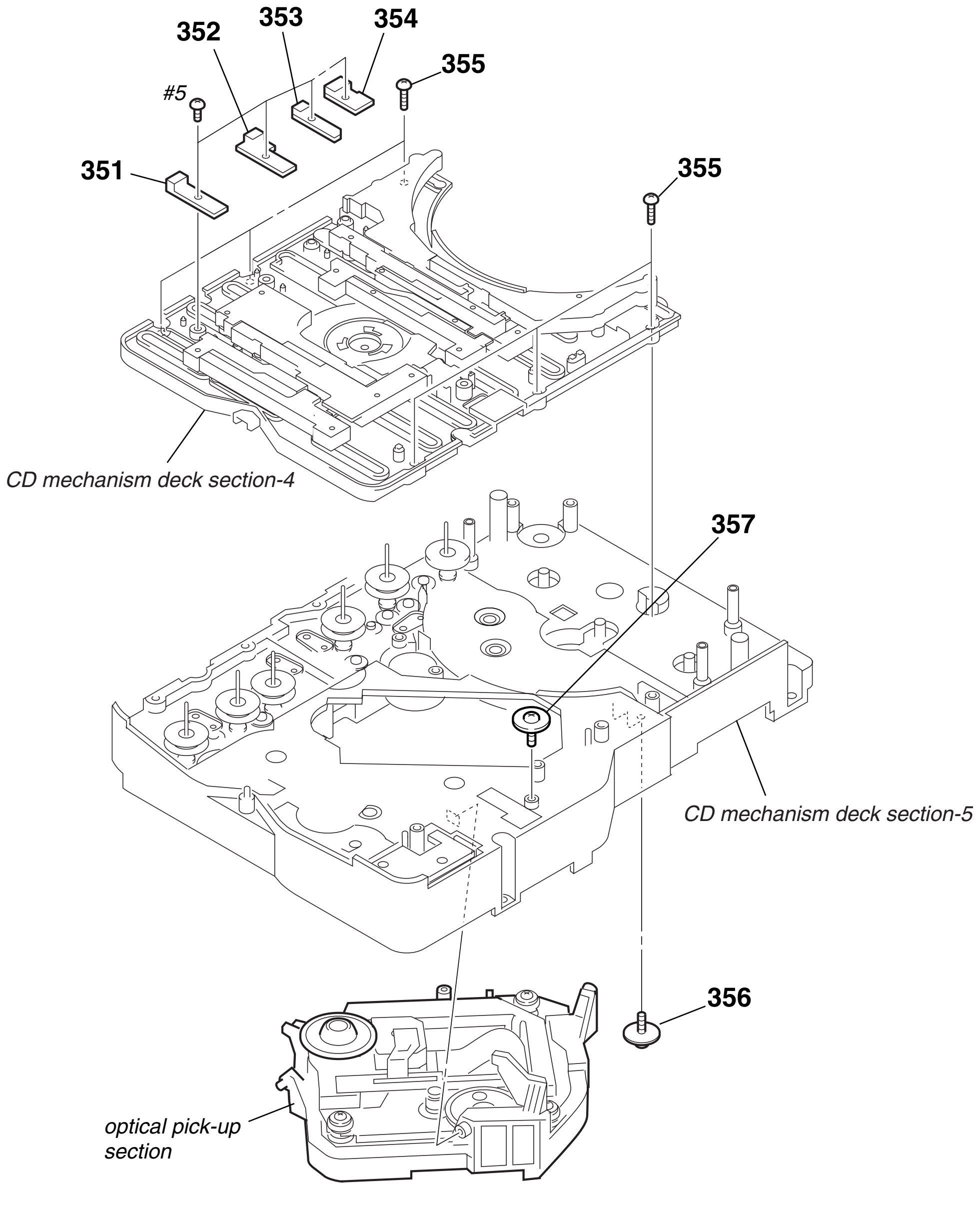
Ref. No.	Part No.	Description	Remark
251	4-242-531-01	SCREW, QT2+3-10 W/O SLOT	
252	4-245-933-01	HOLDER (CD B)	
#1	7-685-647-71	SCREW+BVTP 3X10 TYPE2 IT-3	

9-5. CD Mechanism Deck Section 2 (CDM69BV-30CBD64NS)



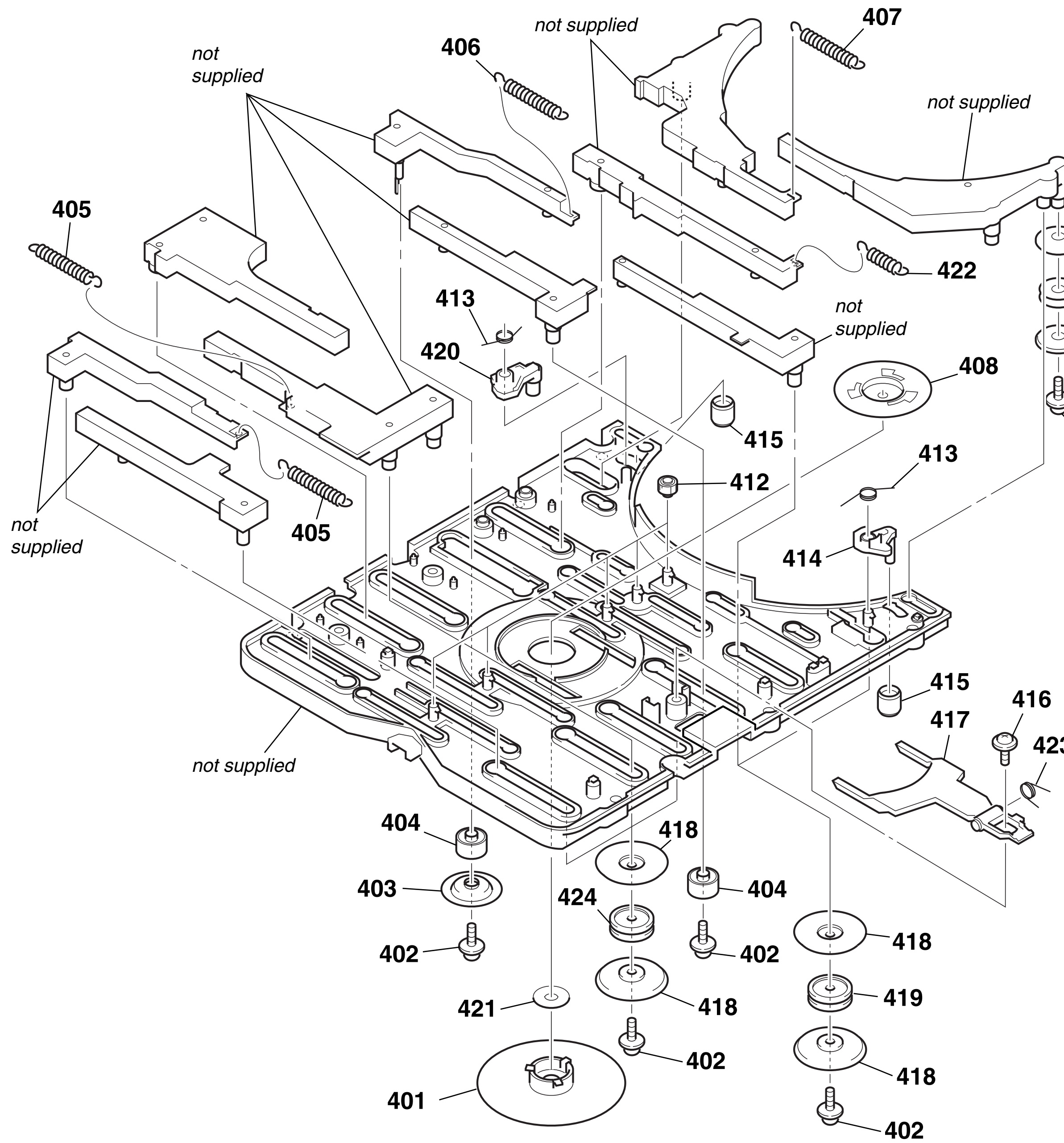
Ref. No.	Part No.	Description	Remark
301	1-686-725-12	STOCKER MOTOR BOARD	
302	4-951-620-01	SCREW (2.6X8), +BVTP	
303	4-239-690-01	CAM (STOCKER U/D)	
304	4-239-618-01	SCREW (+PWH,2X6), STEP TAPPING	
306	4-239-687-01	GEAR (STOCKER COMMUNICATION)	
307	A-4731-113-A	CONNECTOR BOARD, COMPLETE	
308	4-239-689-01	GEAR (STOCKER DECELERATION)	
309	4-239-698-01	PULLEY (STOCKER)	
310	4-221-541-01	BELT (MODE)	
311	1-827-493-11	WIRE (FLAT TYPE)(27CORE)	
312	4-986-156-01	PULLEY, MOTOR	
313	4-244-764-01	CAM (STOCKER V)	
M761	A-4735-953-A	MOTOR ASSY (STOCKER)	
S702	1-477-299-11	ENCODER, ROTARY (STOCKER POSITION)	
#4	7-685-902-21	SCREW +PTPWH 2.6X8 (TYPE2)	

9-6. CD Mechanism Deck Section 3 (CDM69BV-30CBD64NS)



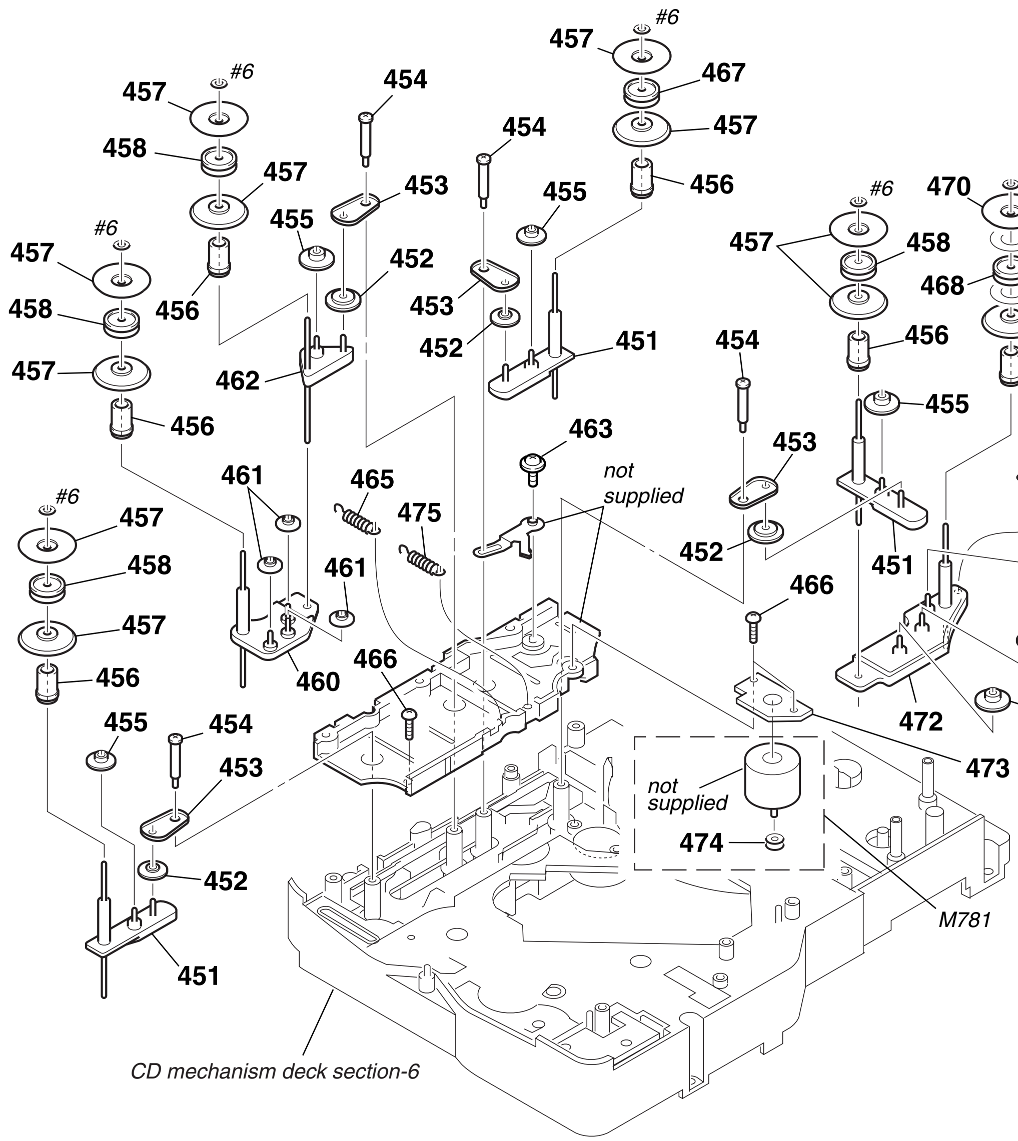
Ref. No.	Part No.	Description	Remark
351	1-686-727-12	SW (1) BOARD	
352	1-686-728-12	SW (2) BOARD	
353	1-686-729-12	SW (3) BOARD	
354	1-686-730-12	SW (4) BOARD	
355	4-951-620-01	SCREW (2.6X8), +BVTP	
356	4-985-672-31	SCREW (+PTPWHM 2.6), FROATING	
357	4-227-899-01	SCREW (DIA,12), FROATING	
#5	7-685-533-14	SCREW +BTP 2.6X6 TYPE2 N-S	

9-7. CD Mechanism Deck Section 4 (CDM69BV-30CBD64NS)



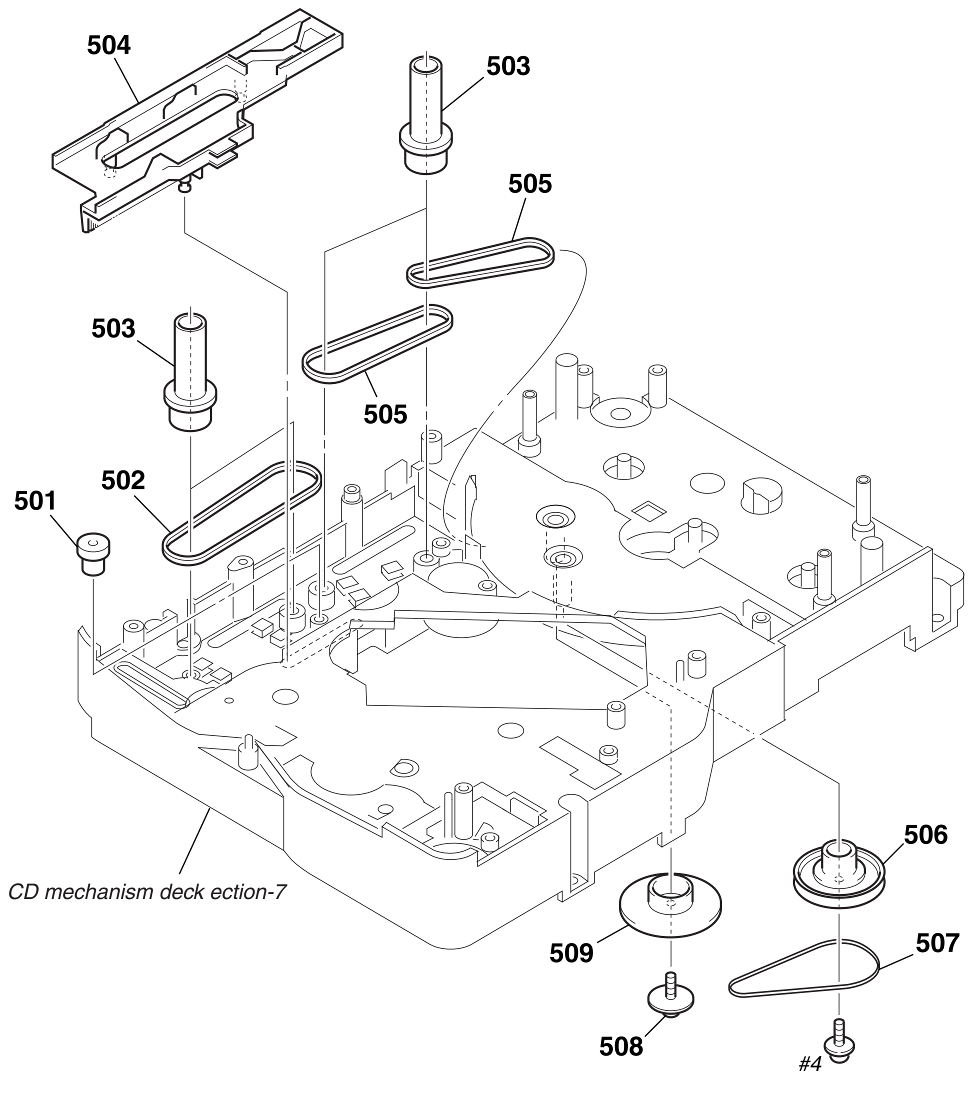
Ref. No.	Part No.	Description	Remark
401	X-4955-447-1	PULLEY (A)(BU30) ASSY,CHUCKING	
402	4-992-069-01	SCREW (+PTPWH) (M2) (DIA. 7)	
403	4-239-648-01	PARASOL (ROLLER)	
404	4-239-646-01	ROLLER (ROLLER)	
405	4-239-641-01	SPRING (1.2), TENSION	
406	4-239-642-01	SPRING (3), TENSION COIL	
407	4-239-679-01	SPRING (5), TENSION COIL	
408	4-243-714-01	PULLEY (B) (BU30), CHUCKING	
409	4-239-649-01	PARASOL (STOCKER)	
411	4-244-035-01	ROLLER (STOCKER), RUBBER	
412	4-239-640-01	PINION (SLIDER)	
413	4-243-291-01	SPRING, TORSION	
414	4-240-039-01	LEVER (DISC STOPPER)	
415	4-239-702-01	ROLLER (DISC STOPPER)	
416	4-985-672-01	SCREW (+PTPWHM2.6), FLOATING	
417	4-243-713-01	LEVER (LIFTER)	
418	4-239-647-01	PARASOL (MAIN)	
419	4-243-916-01	ROLLER (S), RUBBER	
420	4-241-599-01	LEVER (SUPPORT)	
421	4-228-414-01	BRACKET (YOKE)	
422	4-239-643-01	SPRING (4), TENSION COIL	
423	4-243-914-01	SPRING (LIFTER), TORSION	
424	4-244-032-01	ROLLER, RUBBER	

9-8. CD Mechanism Deck Section 5 (CDM69BV-30CBD64NS)



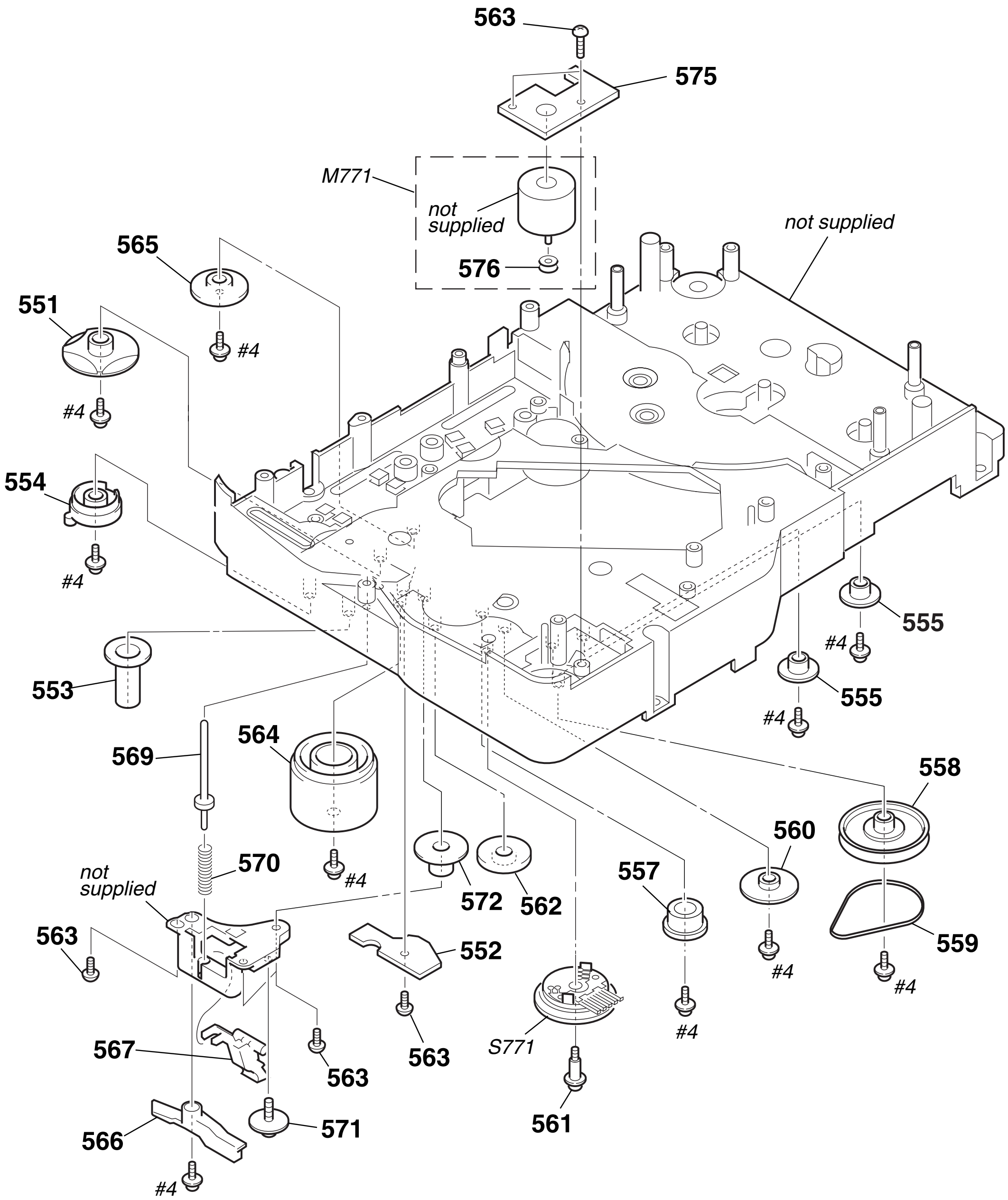
Ref. No.	Part No.	Description	Remark
451	X-4954-626-1	LEVER (ROLLER) ASSY	
452	4-239-666-01	GEAR	
453	4-239-668-01	LEVER (CENTER)	
454	4-239-652-01	SCREW (ROLLER), STEP	
455	4-239-669-01	GEAR (ROLLER COMMUNICATION)	
456	4-239-667-01	GEAR (ROLLER CENTER)	
457	4-239-647-01	PARASOL (MAIN)	
458	4-244-032-01	ROLLER, RUBBER	
460	X-4954-622-1	BASE (SLIDER 2) ASSY	
461	4-239-670-01	GEAR (ROLLER 5 COMMUNICATION)	
462	X-4954-624-A	LEVER (SLIDER 4) ASSY	
463	4-992-069-01	SCREW (+PTPWH)(M2)(DIA. 7)	
464	4-240-981-01	SPRING (BASE SLIDER 5),TENSION	
465	4-240-041-01	SPRING (SLIDER 2), TENSION	
466	4-951-620-01	SCREW (2.6X8), +BVTP	
467	4-243-916-01	ROLLER (S), RUBBER	
468	4-244-035-01	ROLLER (STOCKER), RUBBER	
469	4-241-209-01	SHEET, ADHESIVE	
470	4-239-649-01	PARASOL (STOCKER)	
471	4-239-671-01	GEAR (ROLLER 5 CENTER)	
472	X-4954-627-1	BASE (SLIDER 5) ASSY	
473	1-686-726-12	ROLLER MOTOR BOARD	
474	4-986-156-01	PULLEY, MOTOR	
475	4-244-162-01	SPRING (SLIDER 4),TENSION	
M781	A-4735-953-A	MOTOR ASSY (ROLLER)	
#6	7-623-921-01	RING, RETAINING, CAPSTAN	

9-9. CD Mechanism Deck Section 6 (CDM69BV-30CBD64NS)



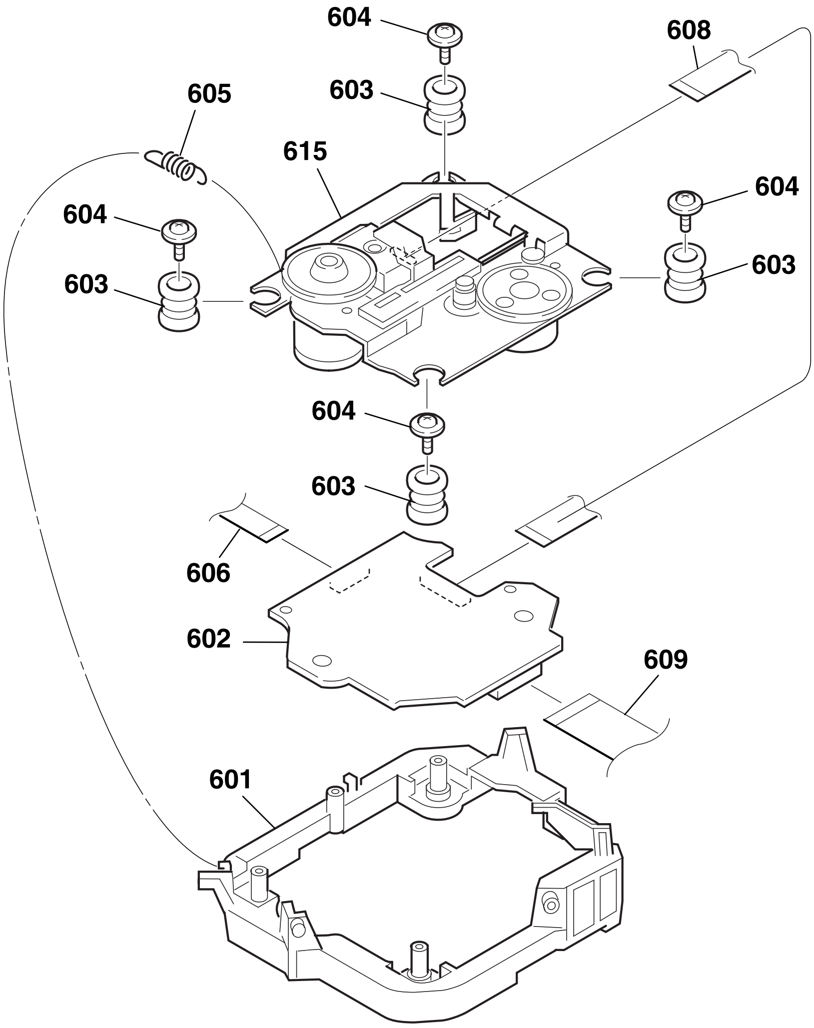
Ref. No.	Part No.	Description	Remark
501	4-240-020-01	GEAR (TIMING)	
502	4-239-708-02	BELT (FRONT), TIMING	
503	4-239-697-01	GEAR (CENTER)	
504	X-4955-157-1	SLIDER (MODE CAM V) ASSY	
505	4-239-706-02	BELT (REAR), TIMING	
506	4-239-699-01	PULLEY	
507	4-247-349-01	BELT (ROLLER V)	
508	4-227-899-01	SCREW (DIA. 12), FROATING	
509	4-239-686-01	GEAR (ROLLER DECELERATION)	
#4	7-685-902-21	SCREW +PTPWH 2.6X8 (TYPE2)	

9-10. CD Mechanism Deck Section 7 (CDM69BV-30CBD64NS)



Ref. No.	Part No.	Description	Remark
551	4-239-693-02	CAM (GEAR)	
552	1-686-723-12	SENSOR BOARD	
553	4-239-696-01	GEAR (EJECT LOCK)	
554	4-239-695-02	CAM (EJECT LOCK)	
555	4-240-019-01	GEAR (MODE 5)	
557	4-243-682-01	GEAR (MODE C)	
558	4-239-683-01	PULLEY (MODE DECELERATION)	
559	4-243-702-01	BELT (MODE V)	
560	4-243-683-01	GEAR (MODE D)	
561	4-239-618-01	SCREW (+PWH,2X6), STEP TAPPING	
562	4-243-681-01	GEAR (MODE B)	
563	4-951-620-01	SCREW (2.6X8), +BVTP	
564	4-239-692-02	CAM (BU U/D)	
565	4-239-694-01	GEAR (MODE CAM)	
566	4-241-731-01	SHUTTER (A), LEVER	
567	4-241-732-01	SHUTTER (B), LEVER	
569	4-241-734-01	SHAFT (SHUTTER)	
570	4-241-735-01	SPRING (SHUTTER), COMPRESSION	
571	4-685-672-01	SCREW (DIA. 12), FROATING	
572	4-243-680-01	GEAR (MODE A)	
575	1-686-724-12	MODE MOTOR BOARD	
576	4-986-156-01	PULLEY, MOTOR	
M771	A-4735-953-A	MOTOR ASSY (MODE)	
S771	1-477-300-11	ENCODER, ROTARY (MODE)	
#4	7-685-902-21	SCREW +PTPWH 2.6X8 (TYPE2)	

9-11. Optical pick-up Section



Ref. No.	Part No.	Description	Remark
601	4-243-716-01	HOLDER (BU-30)	
602	A-4731-674-A	BD BOARD, COMPLETE	
603	4-234-824-01	RUBBER, VIBRATION PROOF	
604	4-985-672-01	SCREW (+PTPWHM2.6), FLOATING	
605	4-244-960-02	SPRING (BU30-1), TENSION	
606	1-827-492-11	WIRE (FLAT TYPE)(11 CORE)	
608	1-782-817-11	WIRE (FLAT TYPE)(16 CORE)	
609	1-827-491-11	WIRE (FLAT TYPE)(23 CORE)	
⚠615	A-4735-189-A	BU-30 (61) ASSY	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

BD

SECTION 10
ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS:
  uF: μF
- COILS
  uH: μH
- RESISTORS
  All resistors are in ohms.
  METAL: metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- Accessories are given in the last of this parts list.
- Abbreviation
  AUS : Australian model.
  CND : Canadian model.
  SP : Singapore model.
  TW : Taiwan model.
  KR : Korean model.
  TH : Thai model.
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA...: μA... , uPA... , μPA... ,
  uPB... , μPB... , uPC... , μPC... ,
  uPD..., μPD...

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remarks
	A-4731-674-A	BD BOARD, COMPLETE			
		******************			
		< CAPACITOR >			
C101	1-164-315-11	CERAMIC CHIP	470PF	5.00%	50V
C102	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V
C103	1-164-315-11	CERAMIC CHIP	470PF	5.00%	50V
C104	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C107	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C108	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C109	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C110	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V
C111	1-126-607-11	ELECT CHIP	47uF	20%	4V
C112	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C113	1-128-995-21	ELECT CHIP	100uF	20%	10V
C114	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C115	1-128-995-21	ELECT CHIP	100uF	20%	10V
C116	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V
C117	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C118	1-115-156-11	CERAMIC CHIP	1uF		10V
C119	1-115-156-11	CERAMIC CHIP	1uF		10V
C121	1-216-864-11	METAL CHIP	0	5%	1/16W
C122	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C131	1-110-563-11	CERAMIC CHIP	0.068uF	10.00%	16V
C132	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C133	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C150	1-128-394-11	ELECT CHIP	220uF	20%	10V
C151	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C152	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C153	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C156	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C169	1-128-394-11	ELECT CHIP	220uF	20%	10V
C202	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C203	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C205	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C208	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C209	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C211	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V
C212	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C213	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C215	1-117-863-11	CERAMIC CHIP	0.47uF	10.00%	6.3V
C216	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C222	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C224	1-115-156-11	CERAMIC CHIP	1uF		10V

Ref. No.	Part No.	Description			Remarks
C226	1-126-607-11	ELECT CHIP	47uF	20%	4V
C227	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C229	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C230	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C231	1-100-588-21	ELECT CHIP	1000uF	20%	6.3V
C249	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C250	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C251	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C253	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C254	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C255	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C256	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C257	1-128-934-91	CERAMIC CHIP	0.33uF	20%	10V
C258	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C259	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C260	1-128-590-11	ELECT CHIP	100uF	20.00%	6.3V
C261	1-126-246-11	ELECT CHIP	220uF	20%	4V
C263	1-126-607-11	ELECT CHIP	47uF	20%	4V
C264	1-126-607-11	ELECT CHIP	47uF	20%	4V
C265	1-126-607-11	ELECT CHIP	47uF	20%	4V
C266	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C267	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C268	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C269	1-126-607-11	ELECT CHIP	47uF	20%	4V
C270	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C271	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C273	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C274	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C292	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C310	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C313	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C314	1-115-156-11	CERAMIC CHIP	1uF		10V
C316	1-164-360-11	CERAMIC CHIP	0.1uF		16V
		< CONNECTOR >			
CN101	1-794-424-11	CONNECTOR, FCC/FPC 16P			
CN102	1-784-834-21	CONNECTOR,FFC (LIF (NON-ZIF)) 23P			
CN104	1-784-863-21	CONNECTOR,FFC (LIF (NON-ZIF)) 11P			
		< RESISTOR/FERRITE BEAD >			
FB102	1-216-864-11	METAL CHIP	0	5%	1/16W
FB103	1-216-864-11	METAL CHIP	0	5%	1/16W
FB104	1-216-864-11	METAL CHIP	0	5%	1/16W
* FB161	1-469-670-21	FERRITE	0uH		
FB201	1-216-295-91	SHORT CHIP	0		

BD

Ref. No.	Part No.	Description			Remarks
FB203	1-216-864-11	METAL CHIP	0	5%	1/16W
FB204	1-216-295-91	SHORT CHIP	0		
FB291	1-216-864-11	METAL CHIP	0	5%	1/16W
FB351	1-216-864-11	METAL CHIP	0	5%	1/16W
		< IC >			
IC101	8-752-408-73	IC CXD3068Q			
IC102	8-759-713-70	IC AN41020A			
IC103	8-752-106-21	IC CXA2647N-T4			
IC104	6-701-810-01	IC TC94A20F-CX4			
IC121	6-700-394-01	IC BA25BC0FP-E2			
		< RESISTOR >			
JR1	1-216-864-11	METAL CHIP	0	5%	1/16W
		< COIL/RESISTOR >			
L101	1-412-032-11	INDUCTOR CHIP	100uH		
L163	1-216-864-11	METAL CHIP	0	5%	1/16W
		< TRANSISTOR >			
Q101	8-729-046-90	TRANSISTOR	2SB970- (TX) S0		
		< RESISTOR >			
R101	1-216-864-11	METAL CHIP	0	5%	1/16W
R102	1-216-835-11	METAL CHIP	15K	5%	1/16W
R103	1-216-845-11	METAL CHIP	100K	5%	1/16W
R104	1-216-835-11	METAL CHIP	15K	5%	1/16W
R105	1-216-821-11	METAL CHIP	1K	5%	1/16W
R111	1-216-847-11	METAL CHIP	150K	5%	1/16W
R113	1-218-701-11	METAL CHIP	2.4K	5%	1/10W
R114	1-216-852-11	METAL CHIP	390K	5%	1/16W
R115	1-216-839-11	METAL CHIP	33K	5%	1/16W
R116	1-216-839-11	METAL CHIP	33K	5%	1/16W
R117	1-216-846-11	METAL CHIP	120K	5%	1/16W
R118	1-216-833-11	METAL CHIP	10K	5%	1/16W
R120	1-216-846-11	METAL CHIP	120K	5%	1/16W
R122	1-216-845-11	METAL CHIP	100K	5%	1/16W
R123	1-216-791-11	METAL CHIP	3.3	5%	1/16W
R125	1-216-840-11	METAL CHIP	39K	5%	1/16W
R126	1-216-840-11	METAL CHIP	39K	5%	1/16W
R131	1-216-843-11	METAL CHIP	68K	5%	1/16W
R132	1-216-851-11	METAL CHIP	330K	5%	1/16W
R133	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R151	1-216-845-11	METAL CHIP	100K	5%	1/16W
R152	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R155	1-216-864-11	METAL CHIP	0	5%	1/16W
R162	1-216-833-11	METAL CHIP	10K	5%	1/16W
R163	1-216-833-11	METAL CHIP	10K	5%	1/16W
R166	1-216-821-11	METAL CHIP	1K	5%	1/16W
R167	1-216-864-11	METAL CHIP	0	5%	1/16W
R168	1-216-821-11	METAL CHIP	1K	5%	1/16W
R169	1-216-864-11	METAL CHIP	0	5%	1/16W
R199	1-216-864-11	METAL CHIP	0	5%	1/16W
R201	1-216-839-11	METAL CHIP	33K	5%	1/16W
R202	1-216-833-11	METAL CHIP	10K	5%	1/16W
R203	1-216-845-11	METAL CHIP	100K	5%	1/16W
R204	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R205	1-216-821-11	METAL CHIP	1K	5%	1/16W

Ref. No.	Part No.	Description			Remarks
R206	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R207	1-216-857-11	METAL CHIP	1M	5%	1/16W
R216	1-216-857-11	METAL CHIP	1M	5%	1/16W
R218	1-216-821-11	METAL CHIP	1K	5%	1/16W
R219	1-216-821-11	METAL CHIP	1K	5%	1/16W
R220	1-216-821-11	METAL CHIP	1K	5%	1/16W
R221	1-216-809-11	METAL CHIP	100	5%	1/16W
R222	1-216-809-11	METAL CHIP	100	5%	1/16W
R223	1-216-809-11	METAL CHIP	100	5%	1/16W
R224	1-216-809-11	METAL CHIP	100	5%	1/16W
R225	1-216-809-11	METAL CHIP	100	5%	1/16W
R226	1-216-809-11	METAL CHIP	100	5%	1/16W
R227	1-216-809-11	METAL CHIP	100	5%	1/16W
R230	1-216-811-11	METAL CHIP	150	5%	1/16W
R231	1-216-815-11	METAL CHIP	330	5%	1/16W
R232	1-216-815-11	METAL CHIP	330	5%	1/16W
R233	1-216-815-11	METAL CHIP	330	5%	1/16W
R249	1-216-818-11	METAL CHIP	560	5%	1/16W
R250	1-216-813-11	METAL CHIP	220	5%	1/16W
R251	1-216-813-11	METAL CHIP	220	5%	1/16W
R252	1-216-857-11	METAL CHIP	1M	5%	1/16W
R253	1-216-821-11	METAL CHIP	1K	5%	1/16W
R255	1-216-809-11	METAL CHIP	100	5%	1/16W
R257	1-216-809-11	METAL CHIP	100	5%	1/16W
R259	1-216-809-11	METAL CHIP	100	5%	1/16W
R260	1-216-821-11	METAL CHIP	1K	5%	1/16W
R261	1-164-360-11	CERAMIC CHIP	0.1uF		16V
R265	1-216-813-11	METAL CHIP	220	5%	1/16W
R266	1-216-813-11	METAL CHIP	220	5%	1/16W
R271	1-216-833-11	METAL CHIP	10K	5%	1/16W
R272	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R275	1-216-833-11	METAL CHIP	10K	5%	1/16W
R276	1-216-809-11	METAL CHIP	100	5%	1/16W
R279	1-216-809-11	METAL CHIP	100	5%	1/16W
R291	1-216-864-11	METAL CHIP	0	5%	1/16W
R303	1-216-864-11	METAL CHIP	0	5%	1/16W
R308	1-216-864-11	METAL CHIP	0	5%	1/16W
R309	1-216-864-11	METAL CHIP	0	5%	1/16W
R310	1-216-864-11	METAL CHIP	0	5%	1/16W
R311	1-216-864-11	METAL CHIP	0	5%	1/16W
R313	1-216-864-11	METAL CHIP	0	5%	1/16W
R314	1-216-864-11	METAL CHIP	0	5%	1/16W
R316	1-216-864-11	METAL CHIP	0	5%	1/16W
R318	1-216-864-11	METAL CHIP	0	5%	1/16W
R319	1-216-864-11	METAL CHIP	0	5%	1/16W
R321	1-216-864-11	METAL CHIP	0	5%	1/16W
R351	1-216-864-11	METAL CHIP	0	5%	1/16W
		< VARIABLE RESISTOR >			
RV101	1-223-997-21	RES, CARBON ADJ VAR 47K			
		< VIBRATOR >			
X201	1-767-408-21	VIBRATOR, CRYSTAL (16.9344MHz)			

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CD-KEY **CONNECTOR** **FAN** **FRONT**

Ref. No.	Part No.	Description			Remarks
	1-687-719-11	CD-KEY BOARD			
		*************			
		< CONNECTOR >			
CN907	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P			
		< RESISTOR >			
R950	1-216-821-11	METAL CHIP	1K	5%	1/16W
R952	1-216-821-11	METAL CHIP	1K	5%	1/16W
R954	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R955	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R956	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R957	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R958	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
		< SWITCH >			
S926	1-771-855-21	SWITCH, KEYBOARD (⏏ CD EJECT)			
S927	1-771-855-21	SWITCH, KEYBOARD (1)			
S928	1-771-855-21	SWITCH, KEYBOARD (2)			
S929	1-771-855-21	SWITCH, KEYBOARD (3)			
S930	1-771-855-21	SWITCH, KEYBOARD (4)			
S931	1-771-855-21	SWITCH, KEYBOARD (5)			

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Ref. No.	Part No.	Description			Remarks
	A-4731-113-A	CONNECTOR BOARD, COMPLETE			
		***************************			
		< CAPACITOR >			
C711	1-126-795-11	ELECT	10uF	20.00%	50V
C751	1-164-159-21	CERAMIC	0.1uF		50V
C752	1-164-159-21	CERAMIC	0.1uF		50V
C753	1-164-159-21	CERAMIC	0.1uF		50V
C754	1-164-159-21	CERAMIC	0.1uF		50V
C755	1-164-159-21	CERAMIC	0.1uF		50V
C756	1-164-159-21	CERAMIC	0.1uF		50V
C758	1-164-159-21	CERAMIC	0.1uF		50V
C761	1-162-306-11	CERAMIC	0.01uF	30.00%	16V
C762	1-164-159-21	CERAMIC	0.1uF		50V
C763	1-164-159-21	CERAMIC	0.1uF		50V
C764	1-164-159-21	CERAMIC	0.1uF		50V
C765	1-164-159-21	CERAMIC	0.1uF		50V
C766	1-164-159-21	CERAMIC	0.1uF		50V
C767	1-164-159-21	CERAMIC	0.1uF		50V
C768	1-164-159-21	CERAMIC	0.1uF		50V
C769	1-164-159-21	CERAMIC	0.1uF		50V
C771	1-162-306-11	CERAMIC	0.01uF	30.00%	16V
C781	1-162-306-11	CERAMIC	0.01uF	30.00%	16V
		< CONNECTOR >			
CN701	1-779-564-21	CONNECTOR,FFC (LIF (NON-ZIF)) 27P			
CN702	1-785-329-11	PIN, CONNECTOR (LIGHT ANGLE) 3P			
CN703	1-785-328-11	PIN, CONNECTOR (LIGHT ANGRE) 2P			
* CN710	1-506-486-11	PIN, CONNECTOR 7P			
		< DIODE >			
D701	8-719-921-40	DIODE MTZJ-T-77-4.7B			
D711	8-719-109-89	DIODE MTZJ-T-77-5.6B			
D721	8-719-982-03	DIODE MTZJ-T-77-3.6A			
		< IC >			
IC701	8-759-598-69	IC BA6956AN			
IC711	8-759-598-69	IC BA6956AN			
IC721	8-759-598-69	IC BA6956AN			
		< TRANSISTOR >			
Q731	8-729-029-66	TRANSISTOR	RT1N141S-TP		
		< RESISTOR >			
R701	1-249-415-11	CARBON	680	5%	1/4W F
R702	1-247-807-31	CARBON	100	5%	1/4W
R711	1-249-415-11	CARBON	680	5%	1/4W F
R712	1-247-807-31	CARBON	100	5%	1/4W
R721	1-249-415-11	CARBON	680	5%	1/4W F
R722	1-247-807-31	CARBON	100	5%	1/4W
R731	1-247-807-31	CARBON	100	5%	1/4W
R732	1-249-417-11	CARBON	1K	5%	1/4W F
R733	1-249-429-11	CARBON	10K	5%	1/4W
R734	1-249-430-11	CARBON	12K	5%	1/4W

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Ref. No.	Part No.	Description			Remarks
	1-688-838-11	FAN BOARD			
		**********			
		< CONNECTOR >			
* CN293	1-564-518-11	PLUG, CONNECTOR 3P			
* CN294	1-564-518-11	PLUG, CONNECTOR 3P			

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Ref. No.	Part No.	Description			Remarks
	A-4732-974-A	FRONT BOARD, COMPLETE			
		**********************			
	4-245-934-01	HOLDER (FL)			
		< CAPACITOR >			
C901	1-126-933-11	ELECT	100uF	20.00%	16V
C902	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C927	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C928	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C929	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C938	1-126-963-11	ELECT	4.7uF	20.00%	50V
C939	1-126-963-11	ELECT	4.7uF	20.00%	50V
C940	1-126-967-11	ELECT	47uF	20.00%	50V
C960	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C961	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C989	1-126-933-11	ELECT	100uF	20.00%	16V
C991	1-162-922-11	CERAMIC CHIP	39PF	5.00%	50V
C992	1-126-965-91	ELECT	22uF	20.00%	50V
C993	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C994	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C995	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C996	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C997	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
CN905	1-779-285-11	CONNECTOR,FFC (LIF (NON-ZIF)) 17P			

FRONT

Ref. No.	Part No.	Description			Remarks
		< DIODE >			
D901	6-500-588-01	DIODE SLI-325URCT31W			
		(POWER ⏻ STANDBY/ON)			
D902	8-719-053-43	DIODE SLR-325VCT31 (i-Bass DEMO)			
D996	8-719-076-06	DIODE 1SS381 (TPH3)			
D997	8-719-076-06	DIODE 1SS381 (TPH3)			
D998	8-719-076-06	DIODE 1SS381 (TPH3)			
D999	8-719-076-06	DIODE 1SS381 (TPH3)			
		< FERRITE BEAD >			
FB901	1-412-473-21	INDUCTOR	0uH		
FB902	1-412-473-21	INDUCTOR	0uH		
		< FLUORESCENT INDICATOR TUBE >			
FL901	1-518-899-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC902	6-600-213-01	IC GP1UE271XK			
		< RESISTOR >			
JR901	1-216-864-11	METAL CHIP	0	5%	1/16W
					(AEP,UK,E)
		< TRANSISTOR >			
Q994	8-729-027-46	TRANSISTOR	DTC114YKA-T146		
Q996	8-729-027-46	TRANSISTOR	DTC114YKA-T146		
Q997	8-729-027-46	TRANSISTOR	DTC114YKA-T146		
Q998	8-729-027-46	TRANSISTOR	DTC114YKA-T146		
Q999	8-729-027-46	TRANSISTOR	DTC114YKA-T146		
		< RESISTOR >			
R909	1-216-845-11	METAL CHIP	100K	5%	1/16W
R910	1-216-864-11	METAL CHIP	0	5%	1/16W
R911	1-216-864-11	METAL CHIP	0	5%	1/16W
R912	1-216-864-11	METAL CHIP	0	5%	1/16W
R913	1-216-864-11	METAL CHIP	0	5%	1/16W
R914	1-216-864-11	METAL CHIP	0	5%	1/16W
R915	1-216-864-11	METAL CHIP	0	5%	1/16W
R916	1-216-864-11	METAL CHIP	0	5%	1/16W
R917	1-216-864-11	METAL CHIP	0	5%	1/16W
R918	1-216-864-11	METAL CHIP	0	5%	1/16W
R919	1-216-864-11	METAL CHIP	0	5%	1/16W
R920	1-216-864-11	METAL CHIP	0	5%	1/16W
R921	1-216-864-11	METAL CHIP	0	5%	1/16W
R922	1-216-864-11	METAL CHIP	0	5%	1/16W
R923	1-216-864-11	METAL CHIP	0	5%	1/16W
R924	1-216-864-11	METAL CHIP	0	5%	1/16W
R925	1-216-841-11	METAL CHIP	47K	5%	1/16W
R926	1-216-838-11	METAL CHIP	27K	5%	1/16W
R927	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R930	1-216-821-11	METAL CHIP	1K	5%	1/16W
R931	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R932	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R934	1-216-838-11	METAL CHIP	27K	5%	1/16W
R935	1-216-841-11	METAL CHIP	47K	5%	1/16W
R936	1-216-823-11	METAL CHIP	1.5K	5%	1/16W

Ref. No.	Part No.	Description			Remarks
R937	1-216-821-11	METAL CHIP	1K	5%	1/16W
R938	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R939	1-216-838-11	METAL CHIP	27K	5%	1/16W
R940	1-216-841-11	METAL CHIP	47K	5%	1/16W
R941	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R942	1-216-821-11	METAL CHIP	1K	5%	1/16W
R943	1-216-166-00	RES-CHIP	47	5%	1/8W
R943	1-216-841-11	METAL CHIP	47K	5%	1/16W
					(AEP,UK,E)
R944	1-216-842-11	METAL CHIP	56K	5%	1/16W
R945	1-216-833-11	METAL CHIP	10K	5%	1/16W
R946	1-216-821-11	METAL CHIP	1K	5%	1/16W
R948	1-216-821-11	METAL CHIP	1K	5%	1/16W
R949	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R960	1-216-833-11	METAL CHIP	10K	5%	1/16W
R961	1-216-821-11	METAL CHIP	1K	5%	1/16W
R963	1-216-821-11	METAL CHIP	1K	5%	1/16W
R964	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R965	1-216-821-11	METAL CHIP	1K	5%	1/16W
R967	1-216-821-11	METAL CHIP	1K	5%	1/16W
R969	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R970	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R971	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R972	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R973	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R975	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R977	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R978	1-216-833-11	METAL CHIP	10K	5%	1/16W
R979	1-216-182-00	RES-CHIP	220	5%	1/8W
R981	1-216-198-91	RES-CHIP	1K	5%	1/8W
R987	1-216-198-91	RES-CHIP	1K	5%	1/8W
R988	1-216-198-91	RES-CHIP	1K	5%	1/8W
R989	1-216-296-11	SHORT CHIP	0		
R990	1-216-296-11	SHORT CHIP	0		
R991	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R992	1-216-821-11	METAL CHIP	1K	5%	1/16W
R993	1-216-198-91	RES-CHIP	1K	5%	1/8W
R994	1-216-198-91	RES-CHIP	1K	5%	1/8W
R995	1-216-230-00	RES-CHIP	22K	5%	1/8W
R996	1-216-230-00	RES-CHIP	22K	5%	1/8W
R997	1-216-158-00	RES-CHIP	22	5%	1/8W
		< SWITCH >			
S921	1-786-398-11	ENCODER, ROTARY (VOLUME)			
S922	1-418-859-21	ENCODER, ROTARY (BASS)			
S923	1-418-859-21	ENCODER, ROTARY (TREBLE)			
S924	1-771-855-21	SWITCH, KEYBOARD (POWER ⏻ STANDBY/ON)			
S925	1-771-855-21	SWITCH, KEYBOARD			
		(AEP,UK:ECO/RDS EXCEPT AEP,UK:ECO)			
S932	1-771-855-21	SWITCH, KEYBOARD (■)			
S933	1-771-855-21	SWITCH, KEYBOARD (REC START,REC PAUSE)			
S934	1-771-855-21	SWITCH, KEYBOARD (SYNCHRO REC)			
S935	1-771-855-21	SWITCH, KEYBOARD (CD)			
S936	1-771-855-21	SWITCH, KEYBOARD (TUNER,BAND)			
S937	1-771-855-21	SWITCH, KEYBOARD (TAPE (REC MUTING))			
S938	1-771-855-21	SWITCH, KEYBOARD (AUX)			
S939	1-771-855-21	SWITCH, KEYBOARD (I◀◀ –)			
S940	1-771-855-21	SWITCH, KEYBOARD (+ ▶▶I)			
S941	1-771-855-21	SWITCH, KEYBOARD (i-Bass,DEMO)			

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CX-LMN5

Ver 1.1 2003. 06

HP **MAIN**

Ref. No.	Part No.	Description				Remarks
	1-687-716-11	HP BOARD				
		*********				
		< JACK >				
J202	1-816-219-11	JACK, HEADPHONE (PHONES)				
		< RESISTOR >				
R259	1-260-320-11	CARBON	220	5%	1/2W	
R260	1-260-320-11	CARBON	220	5%	1/2W	
R261	1-260-320-11	CARBON	220	5%	1/2W	
R262	1-260-320-11	CARBON	220	5%	1/2W	
R263	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R264	1-249-421-11	CARBON	2.2K	5%	1/4W	F
		< CABLE HOLDER >				
WH203	1-784-582-11	HOLDER, CABLE (2.5mm PITCH) 5P				

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Ref. No.	Part No.	Description				Remarks
	A-4732-968-A	MAIN BOARD, COMPLETE (US,CND)				
	A-4734-789-A	MAIN BOARD, COMPLETE (AEP,UK)				
	A-4734-817-A	MAIN BOARD, COMPLETE (E)				
	A-4747-822-A	MAIN BOARD, COMPLETE (SP,AUS)				
	A-4748-116-A	MAIN BOARD, COMPLETE (TH)				
	A-4748-600-A	MAIN BOARD, COMPLETE (KR)				
	A-4748-602-A	MAIN BOARD, COMPLETE (TW)				
		********************				
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3				
		< CAPACITOR >				
C003	1-131-992-91	CERAMIC CHIP	100000PF		35V	
C004	1-131-992-91	CERAMIC CHIP	100000PF		35V	
C005	1-131-992-91	CERAMIC CHIP	100000PF		35V	
C006	1-131-992-91	CERAMIC CHIP	100000PF		35V	
C009	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C010	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C011	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C012	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C013	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	
C014	1-126-935-11	ELECT	470uF	20.00%	16V	
C015	1-126-933-11	ELECT	100uF	20.00%	16V	
C016	1-162-974-11	CERAMIC CHIP	0.01uF		50V	
C017	1-126-964-11	ELECT	10uF	20.00%	50V	
C018	1-126-933-11	ELECT	100uF	20.00%	16V	
C019	1-104-482-11	ELECT	4700uF	20.00%	63V	
C020	1-104-482-11	ELECT	4700uF	20.00%	63V	
C021	1-126-946-11	ELECT	6800uF	20.00%	25V	
C022	1-126-946-11	ELECT	6800uF	20.00%	25V	
C023	1-126-948-11	ELECT	100uF	20.00%	35V	
C024	1-126-948-11	ELECT	100uF	20.00%	35V	
C025	1-126-968-11	ELECT	100uF	20.00%	50V	
C026	1-126-968-11	ELECT	100uF	20.00%	50V	
C027	1-127-720-91	ELECT	470uF	20%	16V	
C030	1-164-360-11	CERAMIC CHIP	0.1uF		16V	
C031	1-104-665-11	ELECT	100uF	20.00%	25V	
C034	1-126-947-11	ELECT	47uF	20.00%	25V	
C035	1-126-968-11	ELECT	100uF	20.00%	50V	
C036	1-127-720-91	ELECT	470uF	20%	16V	
C060	1-126-965-91	ELECT	22uF	20.00%	50V	
C061	1-126-947-11	ELECT	47uF	20.00%	25V	
C062	1-126-960-11	ELECT	1uF	20.00%	50V	
C083	1-126-941-11	ELECT	470uF	20.00%	25V	
C097	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C101	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C102	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C103	1-119-820-31	ELECT	1uF	20.00%	50V	
C104	1-119-820-31	ELECT	1uF	20.00%	50V	
C107	1-126-947-11	ELECT	47uF	20.00%	25V	
C108	1-126-947-11	ELECT	47uF	20.00%	25V	
C111	1-126-966-11	ELECT	33uF	20.00%	50V	
C112	1-126-966-11	ELECT	33uF	20.00%	50V	
C113	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C114	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C117	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V	
C118	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V	
C119	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C120	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C121	1-119-820-31	ELECT	1uF	20.00%	50V	
C122	1-119-820-31	ELECT	1uF	20.00%	50V	
C123	1-164-473-11	CERAMIC CHIP	820PF	5.00%	50V	
C124	1-164-473-11	CERAMIC CHIP	820PF	5.00%	50V	
C125	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C126	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C127	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	
C128	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	
C201	1-126-947-11	ELECT	47uF	20.00%	25V	
C202	1-126-947-11	ELECT	47uF	20.00%	25V	
C203	1-163-833-00	CERAMIC CHIP	0.068uF		25V	
C204	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C205	1-128-552-51	ELECT	47uF	20.00%	63V	
C206	1-128-552-51	ELECT	47uF	20.00%	63V	
C207	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C208	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C210	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	
C211	1-135-995-91	CERAMIC CHIP	39000PF	10%	25V	
C217	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C225	1-130-495-00	MYLAR	0.1uF	5%	50V	
C226	1-130-495-00	MYLAR	0.1uF	5%	50V	
C227	1-130-495-00	MYLAR	0.1uF	5%	50V	
C228	1-130-495-00	MYLAR	0.1uF	5%	50V	
C231	1-162-961-11	CERAMIC CHIP	330PF	10%	50V	
C232	1-162-961-11	CERAMIC CHIP	330PF	10%	50V	
C233	1-162-961-11	CERAMIC CHIP	330PF	10%	50V	
C234	1-162-961-11	CERAMIC CHIP	330PF	10%	50V	
⚠C250	1-113-920-11	CERAMIC	0.0022uF	20.00%	250V	(E,SP,TW,AUS)
⚠C251	1-113-920-11	CERAMIC	0.0022uF	20.00%	250V	(E,SP,TW,AUS)
⚠C253	1-113-920-11	CERAMIC	0.0022uF	20.00%	250V	(EXCEPT E,SP,TW,AUS)
C270	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C271	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	
C291	1-126-963-11	ELECT	4.7uF	20.00%	50V	
C292	1-126-933-11	ELECT	100uF	20.00%	16V	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

MAIN

Ref. No.	Part No.	Description			Remarks
C293	1-126-947-11	ELECT	47uF	20.00%	16V
C301	1-164-315-11	CERAMIC CHIP	470PF	5.00%	50V
C303	1-164-730-11	CERAMIC CHIP	0.0012uF	10.00%	50V
C304	1-164-730-11	CERAMIC CHIP	0.0012uF	10.00%	50V
C310	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C363	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C451	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C452	1-126-965-91	ELECT	22uF	20.00%	50V
C453	1-162-979-11	CERAMIC CHIP	0.0027uF	10.00%	50V
C454	1-162-979-11	CERAMIC CHIP	0.0027uF	10.00%	50V
C455	1-162-979-11	CERAMIC CHIP	0.0027uF	10.00%	50V
C456	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C457	1-137-459-11	MYLAR	0.0056uF	5.00%	100V
C458	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C459	1-164-739-11	CERAMIC CHIP	560PF	5.00%	50V
C460	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C461	1-164-392-11	CERAMIC CHIP	390PF	5.00%	50V
C462	1-164-392-11	CERAMIC CHIP	390PF	5.00%	50V
C463	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C464	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C601	1-128-832-11	ELECT	220uF	20%	10V
C602	1-127-718-91	ELECT	100uF	20%	16V
C603	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C604	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C605	1-126-933-11	ELECT	100uF	20.00%	16V
C606	1-126-933-11	ELECT	100uF	20.00%	16V
C607	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C608	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C609	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
C610	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
C611	1-164-315-11	CERAMIC CHIP	470PF	5.00%	50V
C612	1-164-315-11	CERAMIC CHIP	470PF	5.00%	50V
C613	1-126-963-11	ELECT	4.7uF	20.00%	50V
C614	1-126-963-11	ELECT	4.7uF	20.00%	50V
C615	1-136-169-00	FILM	0.22uF	5.00%	50V
C616	1-136-169-00	FILM	0.22uF	5.00%	50V
C617	1-136-169-00	FILM	0.22uF	5.00%	50V
C618	1-136-169-00	FILM	0.22uF	5.00%	50V
C619	1-115-416-11	CERAMIC CHIP	0.001uF	5.00%	25V
C620	1-115-416-11	CERAMIC CHIP	0.001uF	5.00%	25V
C621	1-115-416-11	CERAMIC CHIP	0.001uF	5.00%	25V
C622	1-115-416-11	CERAMIC CHIP	0.001uF	5.00%	25V
C623	1-115-416-11	CERAMIC CHIP	0.001uF	5.00%	25V
C624	1-115-416-11	CERAMIC CHIP	0.001uF	5.00%	25V
C625	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C626	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C627	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C628	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C629	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C630	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C631	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C632	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C634	1-164-218-11	CERAMIC CHIP	180PF	0.25PF	50V
C635	1-164-218-11	CERAMIC CHIP	180PF	0.25PF	50V
C637	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
C638	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
C639	1-126-947-11	ELECT	47uF	20.00%	25V
C640	1-126-947-11	ELECT	47uF	20.00%	25V
C643	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C644	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C645	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C646	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C647	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C648	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C655	1-126-963-11	ELECT	4.7uF	20.00%	50V
C656	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C665	1-165-176-11	CERAMIC CHIP	0.047uF	10.00%	16V
C666	1-165-176-11	CERAMIC CHIP	0.047uF	10.00%	16V
C668	1-126-947-11	ELECT	47uF	20.00%	16V (AEP,UK)
C669	1-107-826-11	CERAMIC CHIP	0.1uF	10.00%	16V (AEP,UK)
C670	1-127-718-91	ELECT	100uF	20%	16V
C671	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C673	1-126-963-11	ELECT	4.7uF	20.00%	50V
C674	1-126-963-11	ELECT	4.7uF	20.00%	50V
C675	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C676	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C677	1-164-677-11	CERAMIC CHIP	0.033uF	10.00%	16V
C678	1-164-677-11	CERAMIC CHIP	0.033uF	10.00%	16V
C679	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C680	1-127-718-91	ELECT	100uF	20%	16V
C681	1-126-964-11	ELECT	10uF	20.00%	50V
C682	1-137-378-11	MYLAR	0.22uF	5.00%	50V
C683	1-137-378-11	MYLAR	0.22uF	5.00%	50V
C685	1-126-960-11	ELECT	1uF	20.00%	50V
C686	1-126-960-11	ELECT	1uF	20.00%	50V
C691	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C692	1-126-947-11	ELECT	47uF	20.00%	16V
C867	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP,UK)
C872	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C873	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C902	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C905	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C906	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C907	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C908	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C909	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C910	1-162-917-11	CERAMIC CHIP	15PF	5%	50V (US,CND)
C910	1-162-918-11	CERAMIC CHIP	18PF	5.00%	50V (AEP,UK,E)
C911	1-162-917-11	CERAMIC CHIP	15PF	5%	50V (US,CND)
C911	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (AEP,UK,E)
C912	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (US,CND)
C912	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (AEP,UK,E)
C913	1-162-917-11	CERAMIC CHIP	15PF	5%	50V (US,CND)
C913	1-216-864-11	METAL CHIP	0	5%	1/16W (AEP,UK,E)
C914	1-162-921-11	CERAMIC CHIP	33PF	5%	50V (US,CND)

MAIN

Ref. No.	Part No.	Description	Remarks
C914	1-162-919-11	CERAMIC CHIP 22PF 5%	50V (AEP,UK,E)
C915	1-162-966-11	CERAMIC CHIP 0.0022uF 10%	50V
C916	1-162-966-11	CERAMIC CHIP 0.0022uF 10%	50V
C917	1-164-230-11	CERAMIC CHIP 220PF 5.00%	50V
C918	1-164-230-11	CERAMIC CHIP 220PF 5.00%	50V
C919	1-164-230-11	CERAMIC CHIP 220PF 5.00%	50V
C924	1-126-934-11	ELECT 220uF 20.00%	10V
C925	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C926	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C927	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C930	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C932	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C933	1-128-551-11	ELECT 22uF 20.00%	25V
C934	1-126-933-11	ELECT 100uF 20.00%	16V
C936	1-126-933-11	ELECT 100uF 20.00%	16V
C937	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C941	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C942	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C943	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C944	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C945	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C946	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C947	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C948	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C949	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C950	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C951	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C952	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C953	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C955	1-164-360-11	CERAMIC CHIP 0.1uF	16V
C956	1-164-360-11	CERAMIC CHIP 0.1uF	16V
		< CONNECTOR >	
⚠CN202	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
CN201	1-817-541-11	CONNECTOR 5P	
⚠CN252	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P	(E,SP,TW,AUS)
* CN302	1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P	
CN601	1-779-279-11	CONNECTOR,FFC (LIF (NON-ZIF)) 11P	
CN602	1-568-830-11	CONNECTOR, FFC 11P (EXCEPT AEP,UK)	
CN602	1-784-776-11	CONNECTOR, FFC 15P (AEP,UK)	
CN901	1-779-295-11	CONNECTOR,FFC (LIF (NON-ZIF)) 27P	
CN902	1-779-291-11	CONNECTOR,FFC (LIF (NON-ZIF)) 23P	
CN903	1-691-040-31	CONNECTOR, FFC 8P	
CN904	1-779-285-11	CONNECTOR,FFC (LIF (NON-ZIF)) 17P	
		< DIODE >	
D001	8-719-500-60	DIODE D5SBA20	
D002	8-719-500-60	DIODE D5SBA20	
D011	8-719-991-33	DIODE 1SS133T-77	
D012	8-719-991-33	DIODE 1SS133T-77	
D015	8-719-983-62	DIODE MTZJ-T-72-3.3A	
D016	8-719-991-33	DIODE 1SS133T-72	
D017	8-719-991-33	DIODE 1SS133T-72	
D020	8-719-991-33	DIODE 1SS133T-72	
D021	8-719-048-55	DIODE MTZJ-T-77-10C	
D022	8-719-200-02	DIODE 1N4003	
D023	8-719-200-02	DIODE 1N4003	
D029	8-719-983-92	DIODE MTZJ-T-72-36B	
D030	8-719-991-33	DIODE 1SS133T-72	
D034	8-719-991-33	DIODE 1SS133T-72	
D035	8-719-991-33	DIODE 1SS133T-72	
D036	8-719-991-33	DIODE 1SS133T-72	
D041	8-719-801-78	DIODE 1SS184-TE85L	
D042	8-719-820-05	DIODE 1SS181-TE85L	
D061	8-719-991-33	DIODE 1SS133T-72	
D063	8-719-801-78	DIODE 1SS184-TE85L	
D064	8-719-820-05	DIODE 1SS181-TE85L	
D072	8-719-801-78	DIODE 1SS184-TE85L	
D076	8-719-820-05	DIODE 1SS181-TE85L	
D077	8-719-801-78	DIODE 1SS184-TE85L	
D078	8-719-820-05	DIODE 1SS181-TE85L	
D101	8-719-820-05	DIODE 1SS181-TE85L	
D103	8-719-991-33	DIODE 1SS133T-72	
D104	8-719-991-33	DIODE 1SS133T-72	
D105	8-719-820-05	DIODE 1SS181-TE85L	
D106	8-719-820-05	DIODE 1SS181-TE85L	
D107	8-719-801-78	DIODE 1SS184-TE85L	
D108	8-719-801-78	DIODE 1SS184-TE85L	
D109	8-719-970-83	DIODE 1SS244-T-77	
D110	8-719-970-83	DIODE 1SS244-T-77	
D150	8-719-801-78	DIODE 1SS184-TE85L	
D201	8-719-312-08	DIODE FMB-G16L	
D202	8-719-312-08	DIODE FMB-G16L	
D203	8-719-921-92	DIODE MTZJ-15B	
D204	8-719-991-33	DIODE 1SS133T-72	
D205	8-719-991-33	DIODE 1SS133T-72	
D206	8-719-991-33	DIODE 1SS133T-72	
D207	8-719-991-33	DIODE 1SS133T-72	
D208	8-719-991-33	DIODE 1SS133T-72	
D209	8-719-991-33	DIODE 1SS133T-72	
D210	8-719-991-33	DIODE 1SS133T-72	
D211	8-719-947-64	DIODE MTZJ-T-72-16A	
D212	8-719-991-33	DIODE 1SS133T-72	
D231	8-719-991-33	DIODE 1SS133T-72	
D232	8-719-991-33	DIODE 1SS133T-72	
D233	8-719-991-33	DIODE 1SS133T-72	
D234	8-719-991-33	DIODE 1SS133T-72	
D250	8-719-801-78	DIODE 1SS184-TE85L	
D251	8-719-991-33	DIODE 1SS133T-72	
D252	8-719-991-33	DIODE 1SS133T-72	
D253	8-719-991-33	DIODE 1SS133T-72	
D254	8-719-991-33	DIODE 1SS133T-72	
D255	8-719-991-33	DIODE 1SS133T-72	
D280	8-719-820-05	DIODE 1SS181-TE85L	
D281	8-719-801-78	DIODE 1SS184-TE85L	
D291	8-719-991-33	DIODE 1SS133T-72	
D292	8-719-991-33	DIODE 1SS133T-72	
D301	8-719-820-05	DIODE 1SS181-TE85L	
D601	8-719-947-12	DIODE MTZJ-T-72-4.7A	
D602	8-719-947-12	DIODE MTZJ-T-72-4.7A	
D670	8-719-109-93	DIODE MTZJ-T-72-6.2B	

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Ref. No.	Part No.	Description	Remarks
D901	8-719-991-33	DIODE 1SS133T-72	
D902	8-719-820-05	DIODE 1SS181-TE85L	
D904	8-719-991-33	DIODE 1SS133T-72	
D905	8-719-991-33	DIODE 1SS133T-72	
D906	8-719-991-33	DIODE 1SS133T-72	
D907	8-719-991-33	DIODE 1SS133T-72	
D908	8-719-820-05	DIODE 1SS181-TE85L	
D909	8-719-820-05	DIODE 1SS181-TE85L	
D910	8-719-048-55	DIODE MTZJ-T-77-10C	
		< FERRITE BEAD >	
FB001	1-412-473-21	INDUCTOR 0uH	
FB601	1-216-295-91	SHORT CHIP 0	
FB602	1-216-295-91	SHORT CHIP 0	
		< IC >	
IC001	8-759-071-48	IC TA7807S	
IC601	6-702-800-01	IC BD3882FV	
IC602	6-704-074-01	IC NJM2156M (TE2)	
IC603	6-600-234-01	IC GP1FA313TZ (DIGITAL OUT (OPTICAL))	(AEP,UK)
IC901	6-802-947-01	IC LC875280A-51E6	
IC904	8-759-533-04	IC M62703ML-E1	
IC905	6-704-135-01	IC MM1614A	
		< JACK >	
* J201	1-537-240-41	TERMINAL BOARD (CHECKER PIN)(SPEAKERS ◁)	
J602	1-817-574-11	PIN JACK 3P (AUX IN,SUB WOOFER ◁)	
		< JUMPER RESISTOR >	
JR001	1-216-864-11	METAL CHIP 0 5% 1/16W	
JR011	1-216-170-00	RES-CHIP 68 5% 1/8W	(EXCEPT E,SP,TW,AUS)
JR011	1-216-158-00	RES-CHIP 22 5% 1/8W	(E,SP,TW,AUS)
JR613	1-216-864-11	METAL CHIP 0 5% 1/16W	(AEP,UK)
JR614	1-216-864-11	METAL CHIP 0 5% 1/16W	(AEP,UK)
JR615	1-216-864-11	METAL CHIP 0 5% 1/16W	
JR616	1-216-864-11	METAL CHIP 0 5% 1/16W	(AEP,UK)
JR617	1-216-864-11	METAL CHIP 0 5% 1/16W	
JR618	1-216-864-11	METAL CHIP 0 5% 1/16W	
JR901	1-216-864-11	METAL CHIP 0 5% 1/16W	(EXCEPT SP,TW,TH,KR)
		< COIL >	
L201	1-422-009-13	COIL, AIR CORE	
L202	1-422-009-13	COIL, AIR CORE	
L451	1-456-094-11	COIL, OSC 85KHZ BIAS	
		< TRANSFORMER >	
⚠PT251	1-439-734-11	TRANSFORMER, POWER (US,CND)	
⚠PT251	1-439-736-11	TRANSFORMER, POWER (E,SP,TW,AUS)	
⚠PT251	1-439-735-11	TRANSFORMER, POWER (AEP,UK,KR,TH)	
		< TRANSISTOR >	
Q001	8-729-045-00	TRANSISTOR KTA1266GR-AT	

Ref. No.	Part No.	Description	Remarks
Q002	8-729-045-00	TRANSISTOR KTA1266GR-AT	
Q003	8-729-049-31	TRANSISTOR 2SB710A-RTX	
Q006	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q008	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q009	8-729-045-00	TRANSISTOR KTA1266GR-AT	
Q010	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q011	8-729-024-93	TRANSISTOR 2SB1370-E	
Q012	8-729-011-92	TRANSISTOR 2SC2001TP-K1K2	
Q015	8-729-049-31	TRANSISTOR 2SB710A-RTX	
Q018	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q019	8-729-024-93	TRANSISTOR 2SB1370-E	
Q020	8-729-195-23	TRANSISTOR 2SA952TP-K1K2	
Q021	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q060	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q061	8-729-049-31	TRANSISTOR 2SB710A-RTX	
Q062	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q063	8-729-049-31	TRANSISTOR 2SB710A-RTX	
Q064	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q065	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q066	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q101	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q102	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q103	8-729-021-88	TRANSISTOR 2SA1587-BL (TE85L)	
Q104	8-729-021-88	TRANSISTOR 2SA1587-BL (TE85L)	
Q105	8-729-021-88	TRANSISTOR 2SA1587-BL (TE85L)	
Q106	8-729-021-88	TRANSISTOR 2SA1587-BL (TE85L)	
Q107	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q108	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q109	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q110	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q111	8-729-255-12	TRANSISTOR 2SC2910S-TP (US,CND)	
Q111	8-729-019-55	TRANSISTOR 2SC2910T-TP (AEP,UK,E)	
Q112	8-729-255-12	TRANSISTOR 2SC2910S-TP (US,CND)	
Q112	8-729-019-55	TRANSISTOR 2SC2910T-TP (AEP,UK,E)	
Q113	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q114	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q115	8-729-429-61	TRANSISTOR 2SD814S-TW	
Q116	8-729-429-61	TRANSISTOR 2SD814S-TW	
Q117	6-550-292-01	TRANSISTOR FP1016	
Q118	6-550-292-01	TRANSISTOR FP1016	
Q119	6-550-291-01	TRANSISTOR FN1016	
Q120	6-550-291-01	TRANSISTOR FN1016	
Q123	8-729-021-88	TRANSISTOR 2SA1587-BL (TE85L)	
Q124	8-729-021-88	TRANSISTOR 2SA1587-BL (TE85L)	
Q127	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q128	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q201	6-550-040-01	TRANSISTOR 2SK3053	
Q202	6-550-040-01	TRANSISTOR 2SK3053	
Q203	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q204	8-729-049-31	TRANSISTOR 2SB710A-RTX	
Q205	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q206	8-729-049-31	TRANSISTOR 2SB710A-RTX	
Q207	8-729-120-28	TRANSISTOR 2SC3052F-T2-LF	
Q208	8-729-049-31	TRANSISTOR 2SB710A-RTX	
Q210	8-729-049-31	TRANSISTOR 2SB710A-RTX	

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MAIN

Ref. No.	Part No.	Description				Remarks
Q235	8-729-049-31	TRANSISTOR	2SB710A-RTX			
Q250	8-729-429-61	TRANSISTOR	2SD814S-TW			
Q251	8-729-021-88	TRANSISTOR	2SA1587-BL (TE85L)			
Q280	8-729-027-23	TRANSISTOR	DTA114EKA-T146			
Q281	8-729-021-88	TRANSISTOR	2SA1587-BL (TE85L)			
Q291	8-729-120-28	TRANSISTOR	2SC3052F-T2-LF			
Q292	8-729-049-31	TRANSISTOR	2SB710A-RTX			
Q293	6-550-305-01	TRANSISTOR	2SA1296GR			
Q305	6-550-290-01	TRANSISTOR	2SJ460			
Q306	6-550-290-01	TRANSISTOR	2SJ460			
Q307	8-729-048-99	TRANSISTOR	2SK2541-T			
Q308	8-729-048-99	TRANSISTOR	2SK2541-T			
Q309	8-729-048-99	TRANSISTOR	2SK2541-T			
Q451	8-729-011-92	TRANSISTOR	2SC2001TP-K1K2			
Q452	8-729-120-28	TRANSISTOR	2SC3052F-T2-LF			
Q453	8-729-044-60	TRANSISTOR	2SC3383-T-AA			
Q454	8-729-044-60	TRANSISTOR	2SC3383-T-AA			
Q601	8-729-027-23	TRANSISTOR	DTA114EKA-T146			
Q602	8-729-045-62	TRANSISTOR	2SK2158-T2B			
Q603	8-729-045-62	TRANSISTOR	2SK2158-T2B			
Q604	8-729-045-62	TRANSISTOR	2SK2158-T2B			
Q605	8-729-045-62	TRANSISTOR	2SK2158-T2B			
Q606	8-729-900-53	TRANSISTOR	DTC114EKA-T146			
Q651	8-729-045-62	TRANSISTOR	2SK2158-T2B			
Q652	8-729-045-62	TRANSISTOR	2SK2158-T2B			
Q653	8-729-120-28	TRANSISTOR	2SC3052F-T2-LF			
Q680	8-729-045-62	TRANSISTOR	2SK2158-T2B			
Q681	8-729-045-62	TRANSISTOR	2SK2158-T2B			
Q682	8-729-045-62	TRANSISTOR	2SK2158-T2B			
Q683	1-801-806-11	TRANSISTOR	DTC144EKA-T146			
Q684	1-801-806-11	TRANSISTOR	DTC144EKA-T146			
Q685	1-801-806-11	TRANSISTOR	DTC144EKA-T146			
Q890	8-729-045-00	TRANSISTOR	KTA1266GR-AT			
Q891	8-729-120-28	TRANSISTOR	2SC3052F-T2-LF			
Q892	8-729-120-28	TRANSISTOR	2SC3052F-T2-LF			
Q901	8-729-120-28	TRANSISTOR	2SC3052F-T2-LF			
Q902	8-729-027-46	TRANSISTOR	DTC114YKA-T146			
Q903	8-729-027-46	TRANSISTOR	DTC114YKA-T146			
Q904	8-729-195-23	TRANSISTOR	2SA952TP-K1K2			
Q905	8-729-195-23	TRANSISTOR	2SA952TP-K1K2			
		< RESISTOR >				
R001	1-260-068-11	CARBON	2.2	5%	1/2W	(EXCEPT US,CND)
R002	1-260-068-11	CARBON	2.2	5%	1/2W	(EXCEPT US,CND)
R003	1-260-068-11	CARBON	2.2	5%	1/2W	(EXCEPT US,CND)
R004	1-260-068-11	CARBON	2.2	5%	1/2W	(EXCEPT US,CND)
R009	1-216-837-11	METAL CHIP	22K	5%	1/2W	
R010	1-216-837-11	METAL CHIP	22K	5%	1/16W	
R011	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	
R012	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	
R013	1-216-214-00	RES-CHIP	4.7K	5%	1/8W	
R014	1-216-001-00	METAL CHIP	10	5%	1/10W	
R015	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R016	1-249-413-11	CARBON	470	5%	1/4W	F

Ref. No.	Part No.	Description				Remarks
R017	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R018	1-216-809-11	METAL CHIP	100	5%	1/16W	
R019	1-216-817-11	METAL CHIP	470	5%	1/16W	
R020	1-249-382-11	CARBON	1.2	5%	1/6W	F
R021	1-249-382-11	CARBON	1.2	5%	1/6W	F
R022	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R023	1-216-809-11	METAL CHIP	100	5%	1/16W	
R024	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	(EXCEPT E,SP,TW,AUS)
R024	1-216-827-11	METAL CHIP	3.3K	5%	1/16W	(E,SP,TW,AUS)
R026	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R027	1-216-864-11	METAL CHIP	0	5%	1/16W	
R028	1-216-033-00	METAL CHIP	220	5%	1/10W	
R029	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R030	1-216-837-11	METAL CHIP	22K	5%	1/16W	
R031	1-216-809-11	METAL CHIP	100	5%	1/16W	
R032	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	
R033	1-216-817-11	METAL CHIP	470	5%	1/16W	
R034	1-216-849-11	METAL CHIP	220K	5%	1/16W	
R035	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R036	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R038	1-249-409-11	CARBON	220	5%	1/4W	F (US,CND)
R038	1-247-807-31	CARBON	100	5%	1/4W	(EXCEPT US,CND)
R042	1-249-409-11	CARBON	220	5%	1/4W	F
R043	1-249-409-11	CARBON	220	5%	1/4W	F
R044	1-249-409-11	CARBON	220	5%	1/4W	F
R045	1-247-807-31	CARBON	100	5%	1/4W	
R046	1-247-807-31	CARBON	100	5%	1/4W	
R047	1-249-409-11	CARBON	220	5%	1/4W	F
R048	1-249-409-11	CARBON	220	5%	1/4W	F
R049	1-249-409-11	CARBON	220	5%	1/4W	F
R051	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R052	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R055	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R056	1-216-807-11	METAL CHIP	68	5%	1/16W	
R057	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	
R058	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R059	1-216-813-11	METAL CHIP	220	5%	1/16W	
R060	1-216-817-11	METAL CHIP	470	5%	1/16W	
R061	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R062	1-216-838-11	METAL CHIP	27K	5%	1/16W	
R063	1-216-838-11	METAL CHIP	27K	5%	1/16W	
R064	1-216-830-11	METAL CHIP	5.6K	5%	1/16W	
R065	1-216-834-11	METAL CHIP	12K	5%	1/16W	
R066	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R067	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R068	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R069	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R070	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	
R071	1-216-089-91	RES-CHIP	47K	5%	1/10W	
R072	1-216-089-91	RES-CHIP	47K	5%	1/10W	
R073	1-216-835-11	METAL CHIP	15K	5%	1/16W	
R074	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R075	1-216-835-11	METAL CHIP	15K	5%	1/16W	
R076	1-216-830-11	METAL CHIP	5.6K	5%	1/16W	

MAIN

Ref. No.	Part No.	Description			Remarks
R078	1-216-840-11	METAL CHIP	39K	5%	1/16W
R079	1-216-832-11	METAL CHIP	8.2K	5%	1/16W
R081	1-247-807-31	CARBON	100	5%	1/4W
R085	1-216-833-11	METAL CHIP	10K	5%	1/16W
R086	1-249-421-11	CARBON	2.2K	5%	1/4W F
R093	1-216-244-00	RES-CHIP	82K	5%	1/8W
R094	1-216-840-11	METAL CHIP	39K	5%	1/16W
R095	1-216-832-11	METAL CHIP	8.2K	5%	1/16W
R096	1-216-844-11	METAL CHIP	82K	5%	1/16W
R103	1-216-834-11	METAL CHIP	12K	5%	1/16W
R104	1-216-834-11	METAL CHIP	12K	5%	1/16W
R105	1-216-838-11	METAL CHIP	27K	5%	1/16W
R106	1-216-838-11	METAL CHIP	27K	5%	1/16W
R107	1-216-809-11	METAL CHIP	100	5%	1/16W
R108	1-216-809-11	METAL CHIP	100	5%	1/16W
R111	1-216-820-11	METAL CHIP	820	5%	1/16W
R112	1-216-820-11	METAL CHIP	820	5%	1/16W
R113	1-216-838-11	METAL CHIP	27K	5%	1/16W
R114	1-249-434-11	CARBON	27K	5%	1/4W
R115	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R116	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R117	1-216-833-11	METAL CHIP	10K	5%	1/16W
R118	1-216-833-11	METAL CHIP	10K	5%	1/16W
R119	1-216-809-11	METAL CHIP	100	5%	1/16W
R120	1-216-809-11	METAL CHIP	100	5%	1/16W
R121	1-216-809-11	METAL CHIP	100	5%	1/16W
R122	1-216-809-11	METAL CHIP	100	5%	1/16W
R123	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R124	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R125	1-216-198-91	RES-CHIP	1K	5%	1/8W
R126	1-216-198-91	RES-CHIP	1K	5%	1/8W
R127	1-216-804-11	METAL CHIP	39	5%	1/16W
R128	1-216-804-11	METAL CHIP	39	5%	1/16W
R129	1-245-545-11	RES, METAL FILM	0.22		
R130	1-245-545-11	RES, METAL FILM	0.22		
R131	1-245-545-11	RES, METAL FILM	0.22		
R132	1-245-545-11	RES, METAL FILM	0.22		
R133	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R134	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R135	1-216-824-11	METAL CHIP	1.8K	5%	1/16W
R136	1-216-824-11	METAL CHIP	1.8K	5%	1/16W
R137	1-216-809-11	METAL CHIP	100	5%	1/16W
R138	1-216-809-11	METAL CHIP	100	5%	1/16W
R139	1-216-864-11	METAL CHIP	0	5%	1/16W
R140	1-216-864-11	METAL CHIP	0	5%	1/16W
R141	1-216-049-11	RES-CHIP	1K	5%	1/10W
R142	1-216-049-11	RES-CHIP	1K	5%	1/10W
R143	1-216-833-11	METAL CHIP	10K	5%	1/16W
R144	1-216-833-11	METAL CHIP	10K	5%	1/16W
R150	1-216-845-11	METAL CHIP	100K	5%	1/16W
R151	1-216-841-11	METAL CHIP	47K	5%	1/16W
R152	1-216-841-11	METAL CHIP	47K	5%	1/16W
R155	1-216-832-11	METAL CHIP	8.2K	5%	1/16W
R156	1-216-832-11	METAL CHIP	8.2K	5%	1/16W
R157	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R158	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R165	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R166	1-216-823-11	METAL CHIP	1.5K	5%	1/16W

Ref. No.	Part No.	Description			Remarks
R171	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R172	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R173	1-216-824-11	METAL CHIP	1.8K	5%	1/16W
R174	1-216-824-11	METAL CHIP	1.8K	5%	1/16W
R175	1-216-815-11	METAL CHIP	330	5%	1/16W
R176	1-216-815-11	METAL CHIP	330	5%	1/16W
R177	1-216-809-11	METAL CHIP	100	5%	1/16W
R178	1-216-809-11	METAL CHIP	100	5%	1/16W
R179	1-216-821-11	METAL CHIP	1K	5%	1/16W
R180	1-216-821-11	METAL CHIP	1K	5%	1/16W
R181	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R182	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R183	1-216-843-11	METAL CHIP	68K	5%	1/16W
R185	1-216-857-11	METAL CHIP	1M	5%	1/16W
R203	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R204	1-216-834-11	METAL CHIP	12K	5%	1/16W (US,CND)
R204	1-216-224-91	RES-CHIP	12K	5%	1/8W (EXCEPT US,CND)
R205	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R206	1-216-841-11	METAL CHIP	47K	5%	1/16W
R207	1-216-833-11	METAL CHIP	10K	5%	1/16W
R208	1-216-815-11	METAL CHIP	330	5%	1/16W
R209	1-216-176-11	RES-CHIP	120	5%	1/8W
R210	1-216-826-11	METAL CHIP	2.7K	5%	1/16W
R211	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R212	1-216-833-11	METAL CHIP	10K	5%	1/16W
R213	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R214	1-216-839-11	METAL CHIP	33K	5%	1/16W
R215	1-216-830-11	METAL CHIP	5.6K	5%	1/16W
R216	1-216-830-11	METAL CHIP	5.6K	5%	1/16W
R217	1-216-833-11	METAL CHIP	10K	5%	1/16W (US,CND,AEP,UK)
R217	1-216-835-11	METAL CHIP	15K	5%	1/16W (EXCEPT US,CND,AEP,UK)
R218	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R219	1-216-833-11	METAL CHIP	10K	5%	1/16W (US,CND)
R219	1-216-829-11	METAL CHIP	4.7K	5%	1/16W (EXCEPT US,CND)
R220	1-247-843-11	CARBON	3.3K	5%	1/4W
R222	1-216-035-00	METAL CHIP	270	5%	1/10W
R223	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R224	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R226	1-216-833-11	METAL CHIP	10K	5%	1/16W
R228	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R229	1-216-832-11	METAL CHIP	8.2K	5%	1/16W
R230	1-218-867-11	METAL CHIP	6.8K	5%	1/10W (EXCEPT AEP,UK)
R230	1-216-830-11	METAL CHIP	5.6K	5%	1/16W (AEP,UK)
R231	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R232	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R233	1-216-833-11	METAL CHIP	10K	5%	1/16W
R234	1-216-833-11	METAL CHIP	10K	5%	1/16W
R235	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R236	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R237	1-216-833-11	METAL CHIP	10K	5%	1/16W
R238	1-216-833-11	METAL CHIP	10K	5%	1/16W

MAIN

Ref. No.	Part No.	Description			Remarks
R241	1-216-826-11	METAL CHIP	2.7K	5%	1/16W
R242	1-216-826-11	METAL CHIP	2.7K	5%	1/16W
R243	1-216-826-11	METAL CHIP	2.7K	5%	1/16W
R244	1-216-826-11	METAL CHIP	2.7K	5%	1/16W
R245	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R246	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R247	1-216-833-11	METAL CHIP	10K	5%	1/16W (US,CND)
R247	1-249-429-11	CARBON	10K	5%	1/4W (AEP,UK,E)
R248	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R249	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R250	1-249-393-11	CARBON	10	5%	1/4W F
R251	1-249-393-11	CARBON	10	5%	1/4W F
R252	1-249-393-11	CARBON	10	5%	1/4W F
R253	1-249-393-11	CARBON	10	5%	1/4W F
R255	1-216-837-11	METAL CHIP	22K	5%	1/16W
R256	1-216-837-11	METAL CHIP	22K	5%	1/16W
R257	1-216-837-11	METAL CHIP	22K	5%	1/16W
R270	1-216-833-11	METAL CHIP	10K	5%	1/16W
R271	1-216-833-11	METAL CHIP	10K	5%	1/16W
R272	1-216-841-11	METAL CHIP	47K	5%	1/16W
R273	1-216-833-11	METAL CHIP	10K	5%	1/16W
R274	1-216-222-00	RES-CHIP	10K	5%	1/8W
R275	1-216-222-00	RES-CHIP	10K	5%	1/8W
R280	1-216-841-11	METAL CHIP	47K	5%	1/16W
R281	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R282	1-216-833-11	METAL CHIP	10K	5%	1/16W
R283	1-216-849-11	METAL CHIP	220K	5%	1/16W
R284	1-216-849-11	METAL CHIP	220K	5%	1/16W
R285	1-216-837-11	METAL CHIP	22K	5%	1/16W
R286	1-216-841-11	METAL CHIP	47K	5%	1/16W
R287	1-216-841-11	METAL CHIP	47K	5%	1/16W
R291	1-216-833-11	METAL CHIP	10K	5%	1/16W
R292	1-216-833-11	METAL CHIP	10K	5%	1/16W
R294	1-216-845-11	METAL CHIP	100K	5%	1/16W
R295	1-216-857-11	METAL CHIP	1M	5%	1/16W
R296	1-216-813-11	METAL CHIP	220	5%	1/16W
R297	1-216-833-11	METAL CHIP	10K	5%	1/16W
R298	1-216-833-11	METAL CHIP	10K	5%	1/16W
R299	1-216-138-00	METAL CHIP	3.3	5%	1/8W
R303	1-216-844-11	METAL CHIP	82K	5%	1/16W
R304	1-216-844-11	METAL CHIP	82K	5%	1/16W
R305	1-216-849-11	METAL CHIP	220K	5%	1/16W
R451	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R453	1-249-417-11	CARBON	1K	5%	1/4W F
R454	1-249-392-11	CARBON	8.2	5%	1/4W F
R455	1-216-836-11	METAL CHIP	18K	5%	1/16W
R456	1-216-836-11	METAL CHIP	18K	5%	1/16W
R457	1-216-845-11	METAL CHIP	100K	5%	1/16W
R458	1-216-842-11	METAL CHIP	56K	5%	1/16W
R459	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R601	1-216-806-11	METAL CHIP	56	5%	1/10W
R602	1-216-806-11	METAL CHIP	56	5%	1/10W
R603	1-216-852-11	METAL CHIP	390K	5%	1/16W
R604	1-216-852-11	METAL CHIP	390K	5%	1/16W
R605	1-216-822-11	METAL CHIP	1.2K	5%	1/16W
R606	1-216-822-11	METAL CHIP	1.2K	5%	1/16W
R607	1-216-836-11	METAL CHIP	18K	5%	1/16W
R608	1-216-836-11	METAL CHIP	18K	5%	1/16W
R609	1-216-834-11	METAL CHIP	12K	5%	1/16W
R610	1-216-834-11	METAL CHIP	12K	5%	1/16W
R611	1-216-833-11	METAL CHIP	10K	5%	1/16W
R612	1-216-833-11	METAL CHIP	10K	5%	1/16W
R613	1-216-832-11	METAL CHIP	8.2K	5%	1/16W
R614	1-216-832-11	METAL CHIP	8.2K	5%	1/16W
R615	1-216-839-11	METAL CHIP	33K	5%	1/16W
R616	1-216-839-11	METAL CHIP	33K	5%	1/16W
R617	1-216-836-11	METAL CHIP	18K	5%	1/16W
R618	1-216-836-11	METAL CHIP	18K	5%	1/16W
R619	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R620	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R621	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R622	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R623	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R624	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R627	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R628	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R629	1-216-833-11	METAL CHIP	10K	5%	1/16W
R630	1-216-833-11	METAL CHIP	10K	5%	1/16W
R631	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R632	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R633	1-216-824-11	METAL CHIP	1.8K	5%	1/16W
R634	1-216-824-11	METAL CHIP	1.8K	5%	1/16W
R635	1-216-821-11	METAL CHIP	1K	5%	1/16W
R636	1-216-821-11	METAL CHIP	1K	5%	1/16W
R637	1-216-821-11	METAL CHIP	1K	5%	1/16W
R638	1-216-821-11	METAL CHIP	1K	5%	1/16W
R639	1-216-836-11	METAL CHIP	18K	5%	1/16W
R640	1-216-836-11	METAL CHIP	18K	5%	1/16W
R641	1-216-837-11	METAL CHIP	22K	5%	1/16W
R642	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R643	1-216-845-11	METAL CHIP	100K	5%	1/16W
R644	1-216-845-11	METAL CHIP	100K	5%	1/16W
R645	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R646	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R647	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R648	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R649	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R650	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R651	1-216-809-11	METAL CHIP	100	5%	1/16W
R652	1-247-807-31	CARBON	100	5%	1/4W
R656	1-216-852-11	METAL CHIP	390K	5%	1/16W
R657	1-216-850-11	METAL CHIP	270K	5%	1/16W
R658	1-216-850-11	METAL CHIP	270K	5%	1/16W
R659	1-216-852-11	METAL CHIP	390K	5%	1/16W
R660	1-216-850-11	METAL CHIP	270K	5%	1/16W
R661	1-216-828-11	METAL CHIP	3.9K	5%	1/16W (EXCEPT KR,TH)
R662	1-216-828-11	METAL CHIP	3.9K	5%	1/16W (EXCEPT KR,TH)
R663	1-216-857-11	METAL CHIP	1M	5%	1/16W
R664	1-216-857-11	METAL CHIP	1M	5%	1/16W
R665	1-216-821-11	METAL CHIP	1K	5%	1/16W
R666	1-216-821-11	METAL CHIP	1K	5%	1/16W
R667	1-216-857-11	METAL CHIP	1M	5%	1/16W

MAIN

Ref. No.	Part No.	Description			Remarks
R668	1-216-857-11	METAL CHIP	1M	5%	1/16W
R669	1-216-821-11	METAL CHIP	1K	5%	1/16W
R670	1-216-821-11	METAL CHIP	1K	5%	1/16W
R671	1-249-429-11	CARBON	10K	5%	1/4W
R673	1-216-838-11	METAL CHIP	27K	5%	1/16W
R674	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R675	1-216-842-11	METAL CHIP	56K	5%	1/16W
R676	1-249-407-11	CARBON	150	5%	1/4W F
R677	1-249-407-11	CARBON	150	5%	1/4W F
R678	1-216-821-11	METAL CHIP	1K	5%	1/16W
R679	1-216-821-11	METAL CHIP	1K	5%	1/16W
R681	1-216-841-11	METAL CHIP	47K	5%	1/16W
R682	1-216-845-11	METAL CHIP	100K	5%	1/16W
R683	1-216-841-11	METAL CHIP	47K	5%	1/16W
R684	1-216-845-11	METAL CHIP	100K	5%	1/16W
R685	1-216-841-11	METAL CHIP	47K	5%	1/16W
R686	1-216-845-11	METAL CHIP	100K	5%	1/16W
R687	1-216-864-11	METAL CHIP	0	5%	1/16W
R688	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R689	1-216-833-11	METAL CHIP	10K	5%	1/16W
R690	1-216-835-11	METAL CHIP	15K	5%	1/16W
R695	1-216-821-11	METAL CHIP	1K	5%	1/16W
R696	1-216-821-11	METAL CHIP	1K	5%	1/16W
R701	1-216-849-11	METAL CHIP	220K	5%	1/16W
R702	1-216-841-11	METAL CHIP	47K	5%	1/16W
R703	1-216-821-11	METAL CHIP	1K	5%	1/16W
R704	1-216-821-11	METAL CHIP	1K	5%	1/16W
R705	1-216-821-11	METAL CHIP	1K	5%	1/16W
R706	1-216-821-11	METAL CHIP	1K	5%	1/16W
R707	1-216-833-11	METAL CHIP	10K	5%	1/16W
R708	1-216-833-11	METAL CHIP	10K	5%	1/16W
R709	1-216-833-11	METAL CHIP	10K	5%	1/16W
R710	1-216-833-11	METAL CHIP	10K	5%	1/16W
R711	1-216-833-11	METAL CHIP	10K	5%	1/16W
R712	1-216-833-11	METAL CHIP	10K	5%	1/16W
R713	1-216-821-11	METAL CHIP	1K	5%	1/16W
R714	1-216-821-11	METAL CHIP	1K	5%	1/16W
R715	1-216-833-11	METAL CHIP	10K	5%	1/16W
R716	1-216-833-11	METAL CHIP	10K	5%	1/16W
R717	1-216-222-00	RES-CHIP	10K	5%	1/8W
R718	1-216-222-00	RES-CHIP	10K	5%	1/8W
R719	1-216-833-11	METAL CHIP	10K	5%	1/16W
R720	1-216-833-11	METAL CHIP	10K	5%	1/16W
R721	1-216-833-11	METAL CHIP	10K	5%	1/16W
R722	1-216-833-11	METAL CHIP	10K	5%	1/16W
R723	1-249-417-11	CARBON	1K	5%	1/4W F
R724	1-216-821-11	METAL CHIP	1K	5%	1/16W
R725	1-216-821-11	METAL CHIP	1K	5%	1/16W
R726	1-216-821-11	METAL CHIP	1K	5%	1/16W
R727	1-216-833-11	METAL CHIP	10K	5%	1/16W
R728	1-216-833-11	METAL CHIP	10K	5%	1/16W
R729	1-216-833-11	METAL CHIP	10K	5%	1/16W
R730	1-216-821-11	METAL CHIP	1K	5%	1/16W
R731	1-216-821-11	METAL CHIP	1K	5%	1/16W
R732	1-216-821-11	METAL CHIP	1K	5%	1/16W
R733	1-216-821-11	METAL CHIP	1K	5%	1/16W
R734	1-216-821-11	METAL CHIP	1K	5%	1/16W
R735	1-216-809-11	METAL CHIP	100	5%	1/16W
R736	1-216-821-11	METAL CHIP	1K	5%	1/16W
R737	1-216-809-11	METAL CHIP	100	5%	1/16W
R738	1-216-821-11	METAL CHIP	1K	5%	1/16W
R739	1-216-821-11	METAL CHIP	1K	5%	1/16W
R740	1-216-821-11	METAL CHIP	1K	5%	1/16W
R741	1-216-821-11	METAL CHIP	1K	5%	1/16W
R742	1-216-821-11	METAL CHIP	1K	5%	1/16W
R743	1-216-821-11	METAL CHIP	1K	5%	1/16W
R744	1-216-821-11	METAL CHIP	1K	5%	1/16W
R745	1-216-821-11	METAL CHIP	1K	5%	1/16W
R746	1-216-821-11	METAL CHIP	1K	5%	1/16W
R747	1-216-821-11	METAL CHIP	1K	5%	1/16W
R748	1-216-821-11	METAL CHIP	1K	5%	1/16W
R749	1-216-821-11	METAL CHIP	1K	5%	1/16W
R750	1-216-821-11	METAL CHIP	1K	5%	1/16W
R751	1-216-821-11	METAL CHIP	1K	5%	1/16W
R752	1-216-821-11	METAL CHIP	1K	5%	1/16W
R753	1-216-821-11	METAL CHIP	1K	5%	1/16W
R755	1-216-821-11	METAL CHIP	1K	5%	1/16W
R756	1-216-821-11	METAL CHIP	1K	5%	1/16W
R757	1-216-821-11	METAL CHIP	1K	5%	1/16W
R758	1-216-821-11	METAL CHIP	1K	5%	1/16W
R761	1-216-833-11	METAL CHIP	10K	5%	1/16W
R763	1-216-841-11	METAL CHIP	47K	5%	1/16W
R862	1-216-809-11	METAL CHIP	100	5%	1/16W (AEP,UK)
R863	1-216-864-11	METAL CHIP	0	5%	1/16W (AEP,UK)
R877	1-216-849-11	METAL CHIP	220K	5%	1/16W (AEP,UK)
R878	1-216-845-11	METAL CHIP	100K	5%	1/16W (EXCEPT AEP,UK)
R878	1-216-857-11	METAL CHIP	1M	5%	1/16W (AEP,UK)
R879	1-216-821-11	METAL CHIP	1K	5%	1/16W
R880	1-216-841-11	METAL CHIP	47K	5%	1/16W
R881	1-216-841-11	METAL CHIP	47K	5%	1/16W
R882	1-216-864-11	METAL CHIP	0	5%	1/16W
R883	1-216-864-11	METAL CHIP	0	5%	1/16W
R884	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R885	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R887	1-216-841-11	METAL CHIP	47K	5%	1/16W
R888	1-216-809-11	METAL CHIP	100	5%	1/16W
R890	1-216-841-11	METAL CHIP	47K	5%	1/16W
R891	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R892	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R893	1-216-833-11	METAL CHIP	10K	5%	1/16W
R894	1-216-864-11	METAL CHIP	0	5%	1/16W
R895	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R896	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R897	1-216-845-11	METAL CHIP	100K	5%	1/16W
R898	1-216-845-11	METAL CHIP	100K	5%	1/16W
R901	1-216-841-11	METAL CHIP	47K	5%	1/16W
R902	1-216-841-11	METAL CHIP	47K	5%	1/16W
R903	1-249-437-11	CARBON	47K	5%	1/4W
R904	1-216-841-11	METAL CHIP	47K	5%	1/16W
R905	1-249-437-11	CARBON	47K	5%	1/4W
R906	1-216-841-11	METAL CHIP	47K	5%	1/16W
R907	1-249-437-11	CARBON	47K	5%	1/4W

MAIN | MODE MOTOR | PT | ROLLER MOTOR

Ref. No.	Part No.	Description			Remarks
R908	1-216-238-91	RES-CHIP	47K	5%	1/8W
R909	1-249-437-11	CARBON	47K	5%	1/4W
R910	1-216-809-11	METAL CHIP	100	5%	1/16W
R911	1-216-809-11	METAL CHIP	100	5%	1/16W
R912	1-216-809-11	METAL CHIP	100	5%	1/16W
R913	1-216-809-11	METAL CHIP	100	5%	1/16W
R914	1-216-809-11	METAL CHIP	100	5%	1/16W
R915	1-216-809-11	METAL CHIP	100	5%	1/16W
R916	1-216-841-11	METAL CHIP	47K	5%	1/16W
R917	1-216-238-91	RES-CHIP	47K	5%	1/8W
R918	1-216-841-11	METAL CHIP	47K	5%	1/16W
R919	1-216-841-11	METAL CHIP	47K	5%	1/16W
R921	1-216-841-11	METAL CHIP	47K	5%	1/16W
R922	1-216-841-11	METAL CHIP	47K	5%	1/16W
R923	1-247-807-31	CARBON	100	5%	1/4W
R924	1-247-807-31	CARBON	100	5%	1/4W
R925	1-247-807-31	CARBON	100	5%	1/4W
R926	1-247-807-31	CARBON	100	5%	1/4W
R927	1-247-807-31	CARBON	100	5%	1/4W
R928	1-247-807-31	CARBON	100	5%	1/4W
R929	1-247-807-31	CARBON	100	5%	1/4W
R930	1-247-807-31	CARBON	100	5%	1/4W
R931	1-216-809-11	METAL CHIP	100	5%	1/16W
R932	1-216-174-00	RES-CHIP	100	5%	1/8W
R933	1-216-809-11	METAL CHIP	100	5%	1/16W
R934	1-216-174-00	RES-CHIP	100	5%	1/8W
R935	1-216-174-00	RES-CHIP	100	5%	1/8W
R936	1-216-809-11	METAL CHIP	100	5%	1/16W
R937	1-216-174-00	RES-CHIP	100	5%	1/8W
R938	1-216-809-11	METAL CHIP	100	5%	1/16W
R939	1-216-809-11	METAL CHIP	100	5%	1/16W
R940	1-216-843-11	METAL CHIP	68K	5%	1/16W
R941	1-247-883-00	CARBON	150K	5%	1/4W
R942	1-216-826-11	METAL CHIP	2.7K	5%	1/16W
R943	1-216-840-11	METAL CHIP	39K	5%	1/16W (SP,TW,KR,TH,AUS)
R943	1-216-841-11	METAL CHIP	47K	5%	1/16W (AEP,UK,E)
R945	1-216-841-11	METAL CHIP	47K	5%	1/16W (EXCEPT AEP,UK,E)
R945	1-216-837-11	METAL CHIP	22K	5%	1/16W (E)
R947	1-216-809-11	METAL CHIP	100	5%	1/16W
R962	1-216-833-11	METAL CHIP	10K	5%	1/16W
R977	1-216-833-11	METAL CHIP	10K	5%	1/16W
R978	1-216-841-11	METAL CHIP	47K	5%	1/16W
R979	1-216-841-11	METAL CHIP	47K	5%	1/16W
R980	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R981	1-216-817-11	METAL CHIP	470	5%	1/16W
R982	1-216-845-11	METAL CHIP	100K	5%	1/16W
R983	1-216-845-11	METAL CHIP	100K	5%	1/16W
R984	1-247-807-31	CARBON	100	5%	1/4W
R985	1-216-821-11	METAL CHIP	1K	5%	1/16W
R986	1-216-821-11	METAL CHIP	1K	5%	1/16W
R987	1-216-821-11	METAL CHIP	1K	5%	1/16W
R988	1-216-821-11	METAL CHIP	1K	5%	1/16W
R989	1-249-437-11	CARBON	47K	5%	1/4W
R990	1-216-841-11	METAL CHIP	47K	5%	1/16W
R991	1-216-841-11	METAL CHIP	47K	5%	1/16W
R992	1-216-841-11	METAL CHIP	47K	5%	1/16W
R998	1-220-397-11	METAL CHIP	4.7M	5%	1/10W
R999	1-216-851-11	METAL CHIP	330K	5%	1/16W (US,CND)
R999	1-216-853-11	METAL CHIP	470K	5%	1/16W (AEP,UK,E)
		< RELAY >			
⚠RY251	1-755-334-11	RELAY, AC POWER (EXCEPT E,SP,TW,AUS)			
⚠RY252	1-755-796-11	RELAY, AC POWER (E,SP,AUS)			
		< SWITCH >			
⚠S250	1-786-408-11	SW, SL 1-2-3 SWS2301 (VOLTAGE SELECTOR)			(E)
		< RESISTOR >			
SFR451	1-241-766-11	RES, ADJ, CARBON 33K			
SFR452	1-241-766-11	RES, ADJ, CARBON 33K			
		< THERMISTOR >			
TH101	1-804-908-11	C-THMS, 55001			
TH102	1-804-908-11	C-THMS, 55001			
		< CABLE HOLDER >			
WH250	1-784-584-11	HOLDER, CABLE (2.5mm PITCH) 7P			
		< VIBRATOR >			
X901	1-760-252-12	VIBRATOR, CRYSTAL (32.768kHz)			
X902	1-795-880-11	VIBRATOR, CERAMIC (8.64MHz)			

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Ref. No.	Part No.	Description			Remarks
	1-686-724-12	MODE MOTOR BOARD *****************			

****

Ref. No.	Part No.	Description			Remarks
	1-687-717-11	PT BOARD *********			
		< CONNECTOR >			
⚠CN254	1-564-321-00	PIN, CONNECTOR (3.96MM PITCH) 2P			(EXCEPT E)
⚠CN256	1-564-687-11	PIN, CONNECTOR (3.96MM PITCH) 3P (E)			
		< RESISTOR >			
⚠R254	1-202-723-00	SOLID	2.2M	20%	1/2W (US,CND)

****

Ref. No.	Part No.	Description			Remarks
	1-686-726-12	ROLLER MOTOR BOARD *******************			

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The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SENSOR | ST ENCODER | STOCKER MOTOR | SW (1) | SW (2) | SW (3) | SW (4)

Ref. No.	Part No.	Description	Remarks
	1-686-723-12	SENSOR BOARD	
		*************	
		< IC >	
IC751	8-749-017-45	SENSOR, PHONT RPR-220C1N	
		(DISC INSERT DETECT SENSOR)	

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Ref. No.	Part No.	Description	Remarks
		ST ENCODER BOARD	
		****************	

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Ref. No.	Part No.	Description	Remarks
	1-686-725-12	STOCKER MOTOR BOARD	
		*******************	

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Ref. No.	Part No.	Description	Remarks
	1-686-727-12	SW (1) BOARD	
		***********	
		< SWITCH >	
S711	1-786-382-11	SWITCH, PUSH (1 KEY)(DISC INSERT (8/12cm))	

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Ref. No.	Part No.	Description	Remarks
	1-686-728-12	SW (2) BOARD	
		***********	
S713	1-786-382-11	SWITCH, PUSH (1 KEY)(DISC IN (8/12cm))	
S714	1-786-382-11	SWITCH, PUSH (1 KEY)(DISC IN (8cm))	

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Ref. No.	Part No.	Description	Remarks
	1-686-729-12	SW (3) BOARD	
		***********	
S715	1-786-382-11	SWITCH, PUSH (1 KEY)(DISC OUT)	

****

Ref. No.	Part No.	Description	Remarks
	1-686-730-12	SW (4) BOARD	
		***********	
S716	1-786-382-11	SWITCH, PUSH (1 KEY)(STOCKER IN/OUT)	
S717	1-786-382-11	SWITCH, PUSH (1 KEY)(DISC POSITION)	
S718	1-786-382-11	SWITCH, PUSH (1 KEY)(STOCKING)	

****

Ref. No.	Part No.	Description	Remarks
		MISCELLANEOUS	
		*************	
4	1-773-007-11	WIRE (FLAT TYPE)(15 CORE)(AEP,UK)	
4	1-769-943-11	WIRE (FLAT TYPE)(11 CORE)(EXCEPT AEP,UK)	
5	1-693-603-11	TUNER (FM/AM)(E,SP,TW,TH,AUS)	
5	1-693-604-11	TUNER (FM/AM)(AEP,UK)	
5	1-693-605-11	TUNER (FM/AM)(KR)	
5	1-693-623-11	TUNER (FM/AM)(US,CND)	
⚠7	1-698-997-11	FAN, D.C.	
66	1-790-074-11	WIRE (FLAT TYPE)(17 CORE)	
81	1-796-351-51	MECHANISM, SIGNAL CASSETTE	
			(CMAL1Z240A)
101	1-827-490-11	WIRE (FLAT TYPE)(8 CORE)	
⚠106	1-690-608-11	CORD, POWER (AUS)	
⚠106	1-769-079-22	CORD, POWER (KR)	
⚠106	1-769-744-52	CORD, POWER (AEP,UK,E,SP,TH)	
⚠106	1-783-531-11	CORD, POWER (US,CND,TW)	
311	1-827-493-11	WIRE (FLAT TYPE)(27 CORE)	
606	1-827-492-11	WIRE (FLAT TYPE)(11 CORE)	
608	1-782-817-11	WIRE (FLAT TYPE)(16 CORE)	
609	1-827-491-11	WIRE (FLAT TYPE)(23 CORE)	
⚠615	A-4735-189-A	BU-30 (61) ASSY	
M761	A-4735-953-A	MOTOR ASSY (STOCKER)	
M771	A-4735-953-A	MOTOR ASSY (MODE)	
M781	A-4735-953-A	MOTOR ASSY (ROLLER)	
⚠PT252	1-439-836-11	TRANSFORMER, POWER (US,TW)	
⚠PT252	1-439-836-12	TRANSFORMER, POWER (CND)	
⚠PT252	1-439-867-11	TRANSFORMER, POWER (AEP,UK)	
⚠PT253	1-439-974-11	TRANSFORMER, POWER (E,SP)	
⚠PT253	1-439-975-11	TRANSFORMER, POWER (KR,TH,AUS)	
S702	1-477-299-11	ENCODER, ROTARY (STOCKER POSITION)	
S771	1-477-300-11	ENCODER, ROTARY (MODE)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REVISION HISTORY

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Ver.	Date	Description of Revision
1.0	2003.04	New
1.1	2003.06	Addition of Australian, Singapore, Taiwan, Korean and Thai models.
1.2	2003.09	Correction of Part No. of Ref. No. 51 and 58. (SPM-03087)